

# QUÆSTIONES PHILOSOPHICÆ

I N

Justi *Systematis* Ordinem Dispositæ;

A U C T O R I B U S Adductis,

E T

Singulis in proprias HYPOTHESES dispertitis.

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EDITIO TERTIA, prioribus Auctior, & ad Usus Philosophicos  
Accommodatior.

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Ad calcem subjicitur

A P P E N D I X de Legibus Disputandi.

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Operâ T H O. JOHNSON, A. M.  
Coll. Magd. Cantab. Soc.

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CANTABRIGIÆ,

Impensis GUL. THURLBOURN Bibliopolæ.

Prostant apud BEECROFT Londini, & apud FLETCHER  
& CLEMENTS Oxonii. MDCCXL.



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# Juventuti Academicæ Philosophicis Studiis Vacanti

S.

CUM tertio abhinc anno Modera-  
toris partes in Scholis Philosophi-  
cis sustinuerim, & animum, ut par erat,  
ad ea quæ ratio muneric postulare vide-  
batur, penitus adjunxerim; nihil prius  
aut antiquius habui, quam ut vobis es-  
set in manibus liber aliquis, qui in de-  
lectu *Quæstionum Philosophicarum* habendo,  
atque in notitiâ auctorum, qui singulas  
illustrarunt, comparandâ adjumento esse  
possit. Eâ mente, & spe *Quæstionum*  
seriem institui, earum scil. quas arbitra-  
bar disputationibus vestris materiam præ-  
bere

bere posse. Protinus typis mandantur: in vestrum usum prodeunt, emptores facile inveniunt. Quod cum mihi notum fecit Bibliopola, significans libellum istum utut rudiorem & imperfectum a plurimis tamen desiderari, id rogatu suo a me impetravit, ut editionem alteram adornarem. Re mecum pensitatâ, facile judicavi cùm Quæstionum tum Auctorum uberiorem copiam plurimo cum fructu suppleri posse. Eo consilio totum librum recensui, cum tandem ad eam, quam videtis, molem excreverit, non ingentem quidem, nec profectò, si materiam quam complectitur spectemus, valde exiguam. Denique præter rerum ubertatem, ea accessit forma & habitudo, ut alterum potius dixerim parari librum quam editionem, cui quas inesse voului commoditates, paucis à me accipite.

A U C T O R E S , quorum plurimos accedere dixi, non solum Libri, Capitis & Commatis vel Paginæ designatione expressi; verum etiam suâ unumquemque

Hy-

Hypothesi distinxii, atque in tot Partes vel Sectas distribui, quot de unoquoque Quæsito crearunt Philosophorum Opiniones. Unde duplex enascetur commodum; ut si cui minus suppetat vel otium vel facultas plurimos auctores consulendi, ex tanto delectu desumat eum, qui sibi visus fuerit commodissimus: deinde ut unicuique uno intuitu pateat, quænam Hypothesis optimis & probatissimis auctoribus comprobetur. “Etsi “enim id probare non possumus, quod “de *Pythagoreis* accepimus; quos fe-“runt si quid affirmarent in disputan-“do, cum ex iis quæreretur, quare ita “esset, respondere solitos, *ipse dixit*:”\* (sive sit *ipse Pythagoras* sive *Aristoteles*) Attamen non cum quibusdam aliis dicimus auctoritatem pro nihilo semper habendam esse, rationum momenta ubique esse quærenda. Apud homines vel negotiis occupatos vel ab usu librorum disjunctos semper valuit Auctoritas & valebit semper.

\* *Cicero de Nat. Deor. I. 5.*

Deinde

Deinde non intra Scholæ aut Academiæ fines me continui, ut disputationibus vestris solummodo materiam administrarem, verum de omni, de quo quæri solet, vel, ut aiunt, *de quolibet ente* quæstiones collegi: adeo ut universa pæne Philosophia, quæ in contentionem venire possit, uno pateat intuitu ad Systematis modum composita & digesta. Hodiernâ igitur Philosophiâ in generalia quasi capita dispertitâ & in certas classes distributâ, Juventus Academica his tabulis adjuta, in *locos communes* facile digeret quæcunque inter legendum occurrant notatu digniora; auctoresque subinde novos, uti à prelo exierint, suis sedibus addicet.

Appendicis loco subnectitur de Legibus Disputandi brevis monitio à cl. *Heereboordo* olim conscripta; non animo conditiones cæteris præscribendi aut quasi voluerim meo more inter disputandum agi, sed quia observaverim Juventutem nostram disputantem nullis legibus facile se

se pati contineri, interea dum meliores prodierint commodum ratus, has potius observari quam nullas.

Col. Magd. Cantab.  
Nonas April.  
MDCCXXXV.

*Tho. Johnson.*

In hac *tertiâ* Editione hujus Operis, (cujus Auctor biennio circiter post emissam *secundam* præmaturâ morte, non sine Reipub. Literariæ detrimento, ereptus fuit) nonnulla emendantur; quæstiones aliquot adduntur; uberior auctorum copia subinde pro re natâ profertur. Quicquid præter meros librorum titulos adjectum est, id uncis includitur, quo facilius dignosci possit ab iis, quæ scripsit auctor. Omnia denique eâ disponuntur formâ, quæ tam usui quam ornamento inservire maximè videbatur.

Cùm *Aetorum Philosoph.* Regiæ Societatis in quæstionibus physicis insignis & frequentior sit usus, haud inutile forsan erit Tyrones Academicos monere, easdem *Aetorum* partes à *Motte* & *Jones* sepa-

separatim in compendia redactas fuisse. Siquando igitur horum alterutrum citatum viderint, rem ipsam de quâ agitur in altero, si opus fuerit, consulto indice facile reperient. Quod idem intelligendum est de compendio à *Reid & Gray* conjunctim factō, & altero illo quod *Eames & Martyn* conjunctâ etiam operâ ediderunt.

*Sequens Tabella ostendet quas Actorum partes singula Compendia complectuntur.*

## C O M P E N D .

*Lowthorp* III. Vol.

*Motte* II. Vol.

*Jones* II. Vol.

*Reid & Gray* II. Vol.  
*Eames & Martyn* II. Vol.

## A C T A P H I L O S O P H .

{ Ab Ann. 1665. ad finem  
Ann. 1700.  
Nº. I. ---- 267.

{ Ab Ann. 1700. ad finem  
Ann. 1719.  
Nº. 268--363.

{ Ab Ann. 1719. ad finem  
Ann. 1732.  
Nº. 364--426.

*Actorum* Volumina XXXVII. in hæc Compendia reducuntur.

5 2461

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Ne quid Lector frustra querat, monendus est, quod ubicumque in Cap. 1<sup>mo</sup> vel 2<sup>do</sup> *Musschenbroek* laudatur, intelligitur *Musschenbroek* Elem. Physico-Math. 12mo *Lugd. Bat.* 1726. In reliquis Capitibus accuratius distinguitur inter *Epitomen* istam & *Musschenbroek* Elem. Phys. 8vo. *Lugd. Bat.* 1734.

# Quæstiones Philosophicæ.

## C A P U T I.

### Q U A E S T I O N E S P H Y S I C A E ; v e l , D e C o r p o r e i n g e n e r e .

1. **U**TRUM *Methodus ratiocinandi analytica et experimentalis in Physicis disciplinis sit præferenda?*

#### A F F I R M A N T

*Baconus* in Nov. Organ. L. i. Aphor. 19. seqq.  
*Newtonus* in Optice sub finem.

*Sprat's History of the Royal Society passim.*

*Pemberton's View of Sir Isaac Newton's Philosophy, Introduc.*

*Locke's Essay on Hum. Und. B. iv. c. 12. § 10.*

*Shaw's Abridg. of Boyle's Works, Vol. I. P. i.*

*Chambers's Dict. ad vocem EXPERIMENTAL.*

In Hypothesibus plus æquo fiduciae habuere veteres, (*Bacon. loc. citat. Aph. 45.*) & Cartesius aliique.

*Pemberton's Introduction*, p. 7.

*Friend Chym. Præl.* p. 152.

*Hales Stat. V. II.* Pref. p. 12.

Eas autem non prorsus repudiandas esse docet *Lockius*.

*Essay on Hum. Und.* B. iv. c. 12. § 13.

Ex causis finalibus ratiocinari licet, sed cautè.

*Boyle on final Causes*; or,

*Shaw's Abridgment*, V. II. p. 150.

*Antonius Le Grand in Phil. Instit.* P. iv. c. 25.

Ex analogia ratiocinari æquum est in Rebus Physicis.

*Locke on Hum. Und.* B. iv. c. 16. § 12.

2. UTR. *Corpus fit adæquatum Physices objectum?*

A F F.

Plerique e philosophis recentioribus.

Vid. *Ode Princip. Nat. Phil.* L. i. Def. 2. p. 2.

*Gravesande Phylices Elem. Math.* L. i. c. 1.

Sunt, qui Physices campum latius extendunt, præsertim e veteribus.

Vid. *Aristot. de Anima*, L. i. c. 1.

*Francisci Bayle Inst. Phys.* Tom. I. Prol. § 10.

Disputatio de hac re instituitur

*Philosophia Burgundia*, Tom. II. c. 1. p. 668.

3. UTR.

3. UTR. *Detur in rerum natura ARISTOTELIS materia prima?*

NEG.

*Anton. Le Grand* Institut. Philos. P. iv. c. 1.

*Fr. Bayle* Institut. Physic. Tom. I. p. 14, 20.

Nec sunt, qui *affirmant* præter Scholasticos quosdam mentem *Aristotelis* haud recte asse-quentes. *Huic affinis est Quæstio*

4. UTR. *Detur forma substantialis ab ipsa sub-stantia distincta?*

AFF.

Scholastici quidam doctores, prave *Aristotelem* interpretantes Latine.

*Vid. Ode Phil. Nat. Princ. L. ii, S. 1. c. 3. p. 50.*

In seniori sensu *Philosophi* mentem explicuere Græci interpretes, aliique recentiores, uti notat

*Sturmius* in Phys. Elect. Tom. I, p. 78, 382.

*Conf. Arist. Metaph. c. 2. & Phys. l. 2. c. 3.*

*Eustach. Phys. p. 123.*

NEG.

*Robault. Phys. P. i. c. 6.*

*Clerici Physic. L. v. c. 1. § 12. et c. 6.*

*Glisson. de Substantia, c. 7.*

Hæc materia ex utraque parte disputatur

*Philos. Burgund. Tom. II. c. 2. p. 684.*

5. UTR. *Quatuor sint corporum Elementa;*  
viz. *Terra, Aqua, Aer, & Ignis.*

## AFF.

*Aristot.* de Gener. & Corrupt. c. 2, 3.

— Metaph. L. v. c. 5.

*Eustach.* Phys. p. 207.

## NEG.

Philosophi recentiores.

*Ode Philos. Natur. Princ.* L. ii. S. i. c. 4. p. 54.

*Clerici Phys.* L. v. c. 1. § 13, 14.

Veterum sententias de Elementis exposuere

*Robault.* Phys. p. i. c. 19, 20.

*Sturm.* Phys. Elect. Tom. II. p. 15.

*Buddei Theoret. Philos.* P. v. c. 3. § 2.

Quæstio fuse excutitur

*Philos. Burg.* Tom. II. Dissert. iii. p. 716.

6. UTR. *Tria sint corporum Elementa vel Principia?*

## AFF.

*Cartes. Princ. Philos.* P. iii. § 69, 70. & P. iv.  
§ 6, 7.

*Le Grand Institut. Phil.* P. iv. c. 6.

*Claubergii Opera Phys.* p. 33.

*Robaulti Phys.* P. i. c. 21.

## AMBIGITUR

*Philos. Burgund.* Tom. II. Dissert. ii. c. 3.

*Franc. Bayle Institut. Phys.* Tom. I. p. 384.

## NEG.

## NEG.

*Ode Philos. Nat. Princ. L. ii. S. i. c. 4. p. 57.*

Varias Philosophorum opiniones de Elementis conciliare inter se aggreditur

*Buddeus in Philos. Theor. P. v. c. 3. § 13.*

7. UTR. Elementa maneant in mixto?

## AFF.

*Aristot. de Cœlo, L. iii. c. 3.*

— *De Generat. L. i. c. 7.*

*Eustach. Phys. p. 222.*

8. UTR. Unicum sit omnium corporum Elementum? Sive,

UTR. Omnia corpora consistant ex corpusculis primogeneis, incompositis, & in alia minora non resolvendis.

AFFIRMARUNT e vetustissimis Philosophis *Democritus, Epicurus, cæterique qui vocantur Atomistæ.*

Vid. *Lucret. L. i. v. 549.*

*Plutarch. de Plac. Philos. L. i. c. 3.*

*Cudworth's Intellect. Syst. Ch. i. § 5. & passim.*

NEGAT *Cartesius* cum suis. Vid. Libros supra citatos Qu. 6.

AFFIRMANT vicissim *Newtoniani.*

*Newton. Princ. Math. L. iii. in Pr. p. 388.*

— *Optic. p. 313.*

*Muff-*

*Musschenbroek El. Phys. Math.* § 61, 83, 383.

*Keill Epistola de leg. Attractionis, Theor.* iii.

*Cheyne's Philos. Princ.* P. I. c. ii. § 26.

*Gassendi Synt. Phil. Epic.* P. ii. S. 1. c. 4. p. 238.

*Stairius* in *Nov. Exper. Explic.* ii. S. 1.

*Boyle* on the Principles of Natural Bodies.

*Ray* on the Creation, p. 68, 85.

Varias Philosophorum opiniones de hac re  
vid. apud

*Buddei Philos. Theoret.* P. v. c. 3.

*Ode Phil. Nat. Princ.* L. ii. S. 1. c. 4. p. 59.

9. UTR. *Omnis materia fit homogenea?*

N E G.

*Cartesiani.* Vid. *Quæst. sextam.* vid. etiam

*Cartesii Princ. Philos.* P. iii. § 32.

*Regnault's Philosoph. Conversat.* Vol. I. p. 35.

*Green's Principles of Philosophy*, p. 6.

A F F.

*Newtoni Princ. Math.* L. ii. Prop. 31. Schol.  
gen. p. 316.

— Optic. p. 313.

*Ode Philos. Nat. Princ.* L. i. S. 1. c. 2. p. 13.

*Desaguliers's Course of Exp. Phil.* V. I. p. 3, 22.

*Keill Introd. ad Phys. Lect.* viii.

*Huetii Censura Philos. Cartes.* cap. 5.

*Pemberton's View*, Intr. p. 21.

Disputatur de hac re

*Philos. Burg.* Tom. II, Dissert. ii. p. 701, &c.

Hanc

Hanc excipit Quæstionem altera haud dissimilis;

10. UTR. *Detur materia quædam subtilis & resistentia expers?*

A F F.

*Cartesii Princ. Philos. P. iii. § 33, 49.*

*Regnault's Philos. Conversations, V. I. p. 27.*

*Hook's Posth. Works, p. 172.*

N E G.

*Newtonus* in locis supra citat.

Conf. *Cotesii Præf. ad Newton. Princ.* qui disputationem totam fieri de rerum nominibus, non de naturis existimat. Vix opus est ut plures consulas.

11. UTR. *Admittendus fit NEWTONI Æther subtilis?*

A F F.

*Newtoni Princ. Math. p. ult.*

— Optice, L. iii. in Quæst. 17, seqq.

*Pemberton's View, Introduct. p. 22, 406.*

*Chambers's Dictionary, ad vocem ÆTHER.*

Quiddam huic simile innuere videntur

*Boyleus, de Orig. Formarum.*

*Shaw's Abridgment, Vol. I. p. 284, & Vol. II. p. 504, 508.*

*Hook in Op. Posth. p. 29, 365. & alibi sæpe.*

*Bacon's Works, abridg'd by Shaw, Vol. II. p. 25, 37.*

12. UTR.

12. UTR. *Gravitatio corporum fit in ratione quantitatum materiæ?*

Qui in decima quæstione stant ex parte *affirmativa*, in hac sunt *negativi*, & vice versa.

Conf. *Keill* Introd. ad Phys. Lect. x.

*Gravesande* Phys. Elem. Math. L. i. c. 9. vel,

Inst. Phil. Newt. 12<sup>mo</sup>. L. i. c. 8. & L. iv. c. 11.

*Whist.* Præl. Phys. Math. Lect. xxviii, xxxiv.

*Ode Philos. Nat.* L. ii. S. i. c. 2. p. 40.

*Newtoni Princip. Math.* L. iii. Prop. 4—8.

*Clarkii Not. ad Robault.* Phys. P. ii. c. 28. § 13.

*Le Grand Histor. Nat.* P. ii. Art. 4.

*Hesham's Lect. in Nat. Phil.* Lect. ii.

13. UTR. *Essentia corporum ponatur in Extensione?*

AFFIRMANT omnes ad unum *Cartesiani*.

Vid. *Cartesii Princip. Phil.* P. ii. § 4, 5.

*Ant. Le Grand Histor. Nat.* P. i. Art. 1.

— *Institut. Philos.* P. iv. c. 3.

*Robaulti Phys.* P. i. c. 7, 10.

*Phil. Burg. Tom. II. P. i. Diff. 2. c. 3. p. 708.*

*Gut. Muys Elem. Phys.* S. i. p. 19.

NEGANT & in soliditate ponunt *Newtoniani*.

Vid. *Newt. Princ. Math.* L. ii. Pr. 31. p. 316.

*Cotesii Præfat. ad Newtonii Princip.*

*Musschenbroek Epit. Elem. Phys. Math.* P. i.

c. 4. p. 21.

*Huetii*

*Huetii* Censura Philosoph. *Cartesianæ*, c. 5.

*Desaguliers's* Course of Experimental Philosophy, Vol. I. Lect. i. p. 2.

*Keill* Introd. ad Phys. Lect. ii.

*Ode* Philos. Nat. Princ. p. 31.

Sunt, qui eam in vi quâdam activa consistere volunt, ut *Leibnitzius*, ejusque Sectatores.

Vid. Acta Eruditor. *Leipsiens.* A. D. 1694.

p. 112. & 1695. p. 145.

Papers betwixt *Leibnitz* and *Clarke*, p. 376.

*Green's* Philosophy.

#### 14. UTR. *Detur Vacuum?*

##### AFF.

*Newtoni* Princ. Math. L. iii. Prop. 2. Cor. 4.

p. 402. & p. 356.

— Optic. p. 310.

*Ode* Princ. Nat. Philos. L. ii. S. 1. c. 2. p. 38.

*Gravesande* Phys. Elem. Math. 4<sup>to</sup>, vel

Instit. Philos. *Newton.* 12<sup>mo</sup>, L. iv. c. 12.

*Buddei* Philos. Theoret. P. v. c. 1.

*Baker's* Reflections, c. 7. p. 80.

*Musschenbroek* Elem. Phys. P. i. § 47.

*Cheyne's* Philos. Princ. P. i. c. 1. § 12.

*Huetii* Censura Philos. *Cartes.* c. 5:

*Keill* Introd. ad Phys. Lect. ii.

*Clerici* Physic. L. v. c. 2.

*Locke's* Essay &c. B. ii. c. 13. §. 21, 22, 23.

Varias Philosophorum de Vacuo sententias copiose expositas vid. apud

*Franc. Bayle* Instit. Phil. Tom. I. p. 75—83.

## NEG.

*Cartesii Princip. Philos. P. ii. § 11, 16.*

*Robaulti Phys. P. i. c. 12.*

*Phil. Burg. Tom. ii. Diff. 2. c. 2. p. 706, 853.*

*Regnault's Philos. Conversations, Vol. I. p. 45.*

*Green's Princip. of Philos. B. i. c. 1.*

*Le Grand Institut. Philos. P. iv. c. 3. § 8. &c. 13.*

*Hist. Nat. P. i. Art. 2.*

15. UTR. *Corpus, quæ corpus, sit divisibile?*

Sive,

UTR. *Materia sit divisibilis in infinitum?*

## AFF.

*Keill Introd. ad Phys. Lect. iii, iv, v.*

*Gravesande Elem. Math. Phys. L. i. c. 4.*

— Scholium in Suppl. Physic. p. 1.

*Musschenbroek Element. Physic. P. i. c. 5.*

*Robaulti Physic. P. i. c. 9.*

*Worster's Principles of Philosophy, p. 3.*

*Odo Princip. Philos. Natur. L. ii. S. 1. p. 34.*

*Le Grand Institut. Philos. P. iii. c. 4.*

*Cartesii Princ. Philos. P. ii. § 34.*

## NEG.

*De Stair Physiol. Exper. Expl. secunda, p. 6.*

## AMBIG.

*Bernier Abregé de la Philos. de Gassendi, Tom.*

*H. L. i. c. 10.*

*Clerici Physic. L. v. c. 4.*

*Quorum difficultates objectas acute solvit.*

*Gul. Muys Elem. Physic. p. 126.*

16. UTR. *Qualitates corporum sensibiles quidam habeant externum sensuum simile?*

AFF.

Quotquot stant ex parte formarum substantiarum. Vid. supra Quæst. quartam. Et sunt inter Aristotelis Interpretes, qui Philosophum in hac fuisse sententia volunt: quod mihi vix aut ne vix quidem persuadere possum, ut credam.

Vid. Aristot. de Anima, L. ii. c. 5, 9.

NEG.

Robault. Phys. P. i. c. 2. § 8.

Locke on Hum. Und. B. ii. c. 8. § 13.

Boyle's Origin of Forms; or,

Shaw's Abridgment, Vol. I. p. 202.

Cartes. Princ. P. iv. § 197, 198.

17. UTR. *Qualitates corporum sensibiles ex variâ particularum figurâ & dispositione ori-antur?*

NEG.

Qui formas substanciales tuentur.

Vid. Qu. 4. & 16.

AFF.

Boyle in loc. supra citat.

Ode Philos. Natur. Princ. L. ii. S. 1. c. 5. p. 60.

Clerici Phys. L. v. c. 6. § 11, seqq.

18. UTR. *Saporum diversitas ex diversa par-  
ticularum figurâ oriatur?*

C 2

AFF.

## AFF.

*Clerici Physic.* L. v. c. 12.

*Clarkii Not.* ad *Robault.* Phys. P. i. c. 24. § 38.

*Derham's Physico-Theol.* B. iv. c. v.

*Grew's Lect.* before the R. Society, Lect. vi.

*Wedelii Theoria Saporum*, c. 1.

*Acta Erud.* *Leipsiens.* A. D. 1703. p. 237.

*Sturmii Phys.* Elect. Tom. I. c. 6. p. 346.

*Ode Philos.* Nat. Princ. L. ii. S. 2. c. 4. p. 298.

*Willis de An. Brut.* c. 12.

*Le Grand Institut.* Phil. P. viii. c. 13.

## NEG.

*Aristoteles*, & contendit saporem esse qualitatem quandam corporis humidi ex sicco terrestri & calore recocto ortam.

Vid. *Arist.* de An. l. ii.

Sunt, qui omnes sapores a salibus provenire arbitrantur.

*Buddei Philos.* Theoret. P. v. c. 4. § 13.

*Ode Philos.* loc. supra citat.

De gustus organo & descriptione ejus,

Vid. *Regis Phys.* L. viii. par. 2. c. 4.

*Lewenboeckii Epistolas.*

*Malpighi Opera*, Tom. II. De Lingua, p. 18.

19. UTR. Odorum diversitas ex diversâ particularum figurâ oriatur?

NEG.

## NEG.

*Aristotelici* quidam & odorem in re objectâ quiddam sensûs nostri plane similem esse volunt. *Hos præclare refellit Lockius.*

Essay on Hum. Und. B. ii. c. 8. § 13.

## AFF.

*Clarkius* in Not. ad *Rohault*. P. i. c. 25.

*Derham's Physico-Theol.* B. iv. c. 4.

*Willis de An. Brut.* c. 13.

*Ode Philos. Nat.* L. ii. S. 2. c. 5. p. 307.

*Varenii Geogr.* L. i. c. 19.

*Boyle on the Origin of Forms*; or,

*Shæw's Abridgment*, p. 212.

*Sturmii Phys. Elect.* Tom. I. p. 336, seqq.

*Franc. Bayle Inst. Phys.* Tom. I. p. 428.

*Clerici Phys.* L. v. c. 11.

*Francisci de Lanis Mag. Art. & Nat.* Tom. II.

p. 69, 73, 75.

*Buddei Philos. Theoret.* P. v. c. 4. § 11.

*Hamelii Opera Philos.* Tom. II. l. ii. c. 3.

*Hartnacci Admir. Phys.* p. 549.

*Le Grand Hist. Natur.* P. ii. Art. 68.

*Niewentyt's Rel. Phil. Contempl.* xv. § 10, 12.

*Chambers's Dictionary*, ad vocem **SMELL**.

De odoratûs organo & descriptione ejus,

Vid. *Regis Phys.* L. viii. par. 2. c. 5.

20. UTR. *Durities fit partium quieti attribuenda?*

## AFF.

## AFF.

*Cartesii Princ. Philos. P. ii. § 55.*

*Le Grand Institut. Philos. P. iv. c. 21. § 2.*

*Malebranche de inquirendâ Veritate, L. vi. c. 9.*

*Claubergii Phys. contr. § 238.*

*Robaulti Phys. P. i. c. 22. § 9.*

*Franc. Bayle Institut. Phys. Tom. I. Disp. viii.*

*§ 50, 51.*

*Philos. Burg. Tom. II. p. 891.*

## NEG.

Et pressioni ætheris attribuunt

*Hugenius Exper. Phys. 1, 2. quæ exstant in  
operibus 4<sup>to</sup>, p. 770.*

*Bernoulli de gravitate ætheris:*

Et pressioni ætheris & quieti partium,

*Boyle of Fluidity and Firmness; or,*

*Shaw's Abridgment, Vol. I. p. 320, 321.*

*Gul. Muys Elem. Phys. p. 220. qui fusè de  
hac re differit.*

## AMBIG.

*Regnault. Philos. Conversat. Vol. I. Conv. ix.*

Attractionem ad hoc Phænomenon solven-  
dum requirit *Newtonus*, & qui eum sectantur:  
Unde oritur Quæstio

21. UTR. *Cohæsio partium corporis attribu-  
enda fit mutuæ earum attractioni?*

## AFF.

## AFF.

*Newtonus* in Opt. in Quæst. sub finem.

*Keill* Epistola de leg. Attractionis, quæ exstat in operibus, Ed. 4<sup>to</sup>.

*Clarkii* Not. ad *Rohault*, P. i. c. 22. § 9.

*Cheyne's Philos. Princ.* P. i. c. 2. § 42.

*Gravesande* Element. Phyf. 4<sup>to</sup>, L. i. c. 5. cum Scholio in Supplém. Physico.

*Musschenbroek* Exp. Phyf. de Cohærentiâ corporum, 4<sup>to</sup>.

— Elem. Phys. L. i. c. 22.

*Ode Phil. Nat. Princ.* L. ii. S. i. c. 6. p. 64.

## AMBIG.

*Clerici* Phys. L. v. c. 14.

## NEG.

Et *Newtoni* Hypothesin evertere aggreditur

*Gul. Muys* Elem. Phys. p. 346.

Quæstiones de fluiditatis & humiditatis causâ,  
Vid. infra, cap. 6. Qu. 1. 2 3.

22. *UTR.* Materiæ particulis competit vis attractrix, quæ decrevit in majori quam duplificata ratione distantie augescens?

## AFF.

*Newton*, *Keill*, *Cheyne*, *Musschenbroek*, *Ode*, *Gravesande*, in locis supra citatis.

*Whiston* Præl. Phys. Math. p. 203.

*Desaguliers* s Course of Exp. Phil. Vol. I. p. 10.

*Freind* Præl. Chym. Præl. i.

23. UTR. *Quibusdam corporum particulis competit vis repellens?*

A F F.

*Desaguliers's Course of Experimental Philosophy*, Vol. I. L. i. p. 17.

*Musschenbroek El. Phys.* § 576, seqq. p. 153.

*Gravesande Institut. Philos.* P. i. n. 39.

*Newtoni Optice*, L. ii. P. iii. Prop. 8. & L. iii. Quæst. ult.

*Rowning's Comp. Synt. of N. Ph.* P. i. c. 3. § 10.

*Chambers's Dictionary*, ad vocem REPULSION.

*Helsham's Lectures*, Lect. iii.

24. UTR. *Gravitatio sit essentialis materiæ proprietas?*

A F F.

*Philosoph. Enqu. into the Nature of Gravity.*

*Cotesii Præfat. ad Newtoni Princip.*

N E G.

*Newtoniani*, at universalem esse docent.

Vid. *Newtoni Optic.* Qu. 17, seqq. Edit. Engl.

*Pemberton's View*, Introd. p. 22. & B. II.

c. 5. p. 259.

*Cheyne's Philos. Princ.* P. i. c. 2. § 24.

*Le Grand Institut. Philos.* P. iv. c. 11.

*Musschenbroek El. Phys.* § 195, 538.

*Chambers's Dictionary* ad vocem GRAVITY.

25. UTR. *Gravitationis causa solvi possit ex principiis mechanicis?*

## AFF.

*Cartesiani*, & impulsui cuidam externo tribuunt.

*Cartesii* Princ. Philos. P. iv. § 20, &c.

*Hook's Microgr.* p. 22. & Posth. Works, p. 180, 184, 201.

*Acta Erud.* Leips. A. D. 1690.

*Robaulti Phys.* P. i. c. 2. § 15. & P. ii. c. 28.

## § 13.

*Antonius Le Grand* Inst. Phil. P. iv. c. 11.

*Isaac Vossius* de Gravitate.

*Borellus de Vi Percuss.* c. 3. Hyp. 2. N°. 3.

*Stairius* in Physiol. Exper. Expl. iii. S. 9.

*Regnault's Ph. Conv.* Vol. I. Conv. xvii. p. 233.

*Clerici Phys.* L. v. c. 15.

*Huygens de la Pesanteur*, p. 169.

*Bernoulli de Gravitat. Ætheris.*

## NEG.

*Newton. Princip. Math.* L. iii. Prop. 6, 7. p. 400. & p. ult.

— Optic. p. 314, 322, 345.

*Pemberton's View*, p. 407.

*Clarkii Not. ad Robault.* P. ii. c. 28. § 13.

*Gravesande Philos. Newton. Inst.* L. iv. c. 12.

*Musschenbroek Elem. Phys.* § 172, 573.

*Keill Praef. ad Phys.*

*Shaw's Abridg. of Boyle's Works, Vol. I. p. 17.*

*Cheyne's Philos. Prin. P. i. c. 2.*

*Buddei Philos. Theor. P. v. c. 4. § 18.*

*Miscell. Curiosa, Vol. I. p. 302.*

*Derham's Phys. Theol. B. i. c. 5. Note a.*

*Chambers's Dictionary, ad vocem GRAVITY.*

*Quæstio ex utraque parte discutitur*

*Philos. Burgund. Tom. II. p. 813.*

*Quæritur a Newtono, utrum Gravitas non sit attribuenda actioni cuiusdam ætheris subtilis.*

*Vid. Newtoni Princ. Math. p. ult.*

*— Optic. in Quæstionibus sub finem.*

*Pemberton's View, Intr. p. 13.*

*Idem opinari videtur Boyleus.*

*Vid. Boyle's Works abridg'd by Shaw, Vol. I.*

*p. 19.*

*Vid. supra Qu. 11.*

*Contra hanc Newtoni Hypothesin*

*Vid. Enquiry into the Nature of the Human Soul, Vol. I. Sect. 1. Art. 17. Note k. Ed. 2<sup>d</sup>.*

26. UTR. *Detur absolutæ Levitatis Principium in rerum natura?*

NEG.

*Musschenbroek Epit. Physic. p. 43.*

*Le Grand Institut. Phil. P. iv. c. 11.*

*Varenii Geograph. Gen. L. i. c. 19. Prop. 6.*

*cum Jurini Append. p. 17.*

*Derham's*

*Derham's Phys. Theol.* B. i. c. 5. note f.

*Borelli de Motu à Grav.* pend. c. 4.

*Experim. of the Academy Del Cimento*, p. 11.

*Wallis on Gravity*, in *Philos. Transact.* A. D.

1674. p. 28.

*Shaw's Abr. of Boyle*, Vol. II. p. 362, 365.

*Chambers's Diction.* ad vocem **LEVITY**.

*Clarkii Not. ad Robault. Phys.* P. i. c. 10. § 11.

Cor. 3.

### A F F.

*Aristoteles cum suis Peripateticis.*

*Physica vetus & nova*, Qu. ix. Art. 10. p. 223.

27. UTR. *Gravitas corporum fit (distantiis datis) in ratione quantitatum materiæ?*

AFFIRMANT, qui in Quæstione præc. negant; & vicissim hic negant, qui illic affirmant.

Vid. etiam supra Qu. 12.

28. UTR. *Elementa in propriis locis gravitent?*

NEGANT, qui varia Elementa tuentur. Vid. Qu. 6.

Conf. *Eustach. Phys.* p. 211.

*Cartes. Princ. Philos.* P. iv. § 27.

Vid. infra Cap. vi. Qu. 4.

29. UTR. *Omnia corpora poris abundant?*

A F F.

*Le Grand Institut. Philos. P. iv. c. 23.*

*Regnault's Philos. Convers. Vol. I. p. 35.*

*Boyle on the Porosity of Bodies; or*

*Shaw's Abridgment, Vol. I. p. 439.*

*Newtoni Optic. P. iii. Prop. 8. p. 228.*

*Memoires de l'Academie, A.D. 1713. p. 709.*

*Pemberton's View, B. iii. c. 2. p. 355.*

AMBIGI potest, utrum Philosophi, qui particulis primogenitis solidis patrocinentur, partem negativam hujuscem Quæstionis non tueantur. Vid. supra Qu. 8.

30. UTR. *Detur ignis elementaris? Sive,*  
*UTR. Ignis sit quiddam sui generis in corporibus contentum?*

A F F.

Id prolixè & operâ parum utili probare aggreditur

*Boerhaave in Elem. Chemiæ, 4<sup>to</sup>, Vol. I. à pag. 126, ad pag. 422.*

In eâdem sententiâ stant plerique e Philos. transmarinis.

*Cartesii Princip. P. iv. § 8.*

*Sturmii Physiol. Elect. Tom. II. p. 97.*

*Stairii Physiol. Nov. Expl. vi. S. 3.*

*Fr. Bayle Institut. Phys. Tom. I. P. i. L. 1, S. 1. Disp. 3. Art. 3.*

*Buddeus*

*Buddeus* in *Phil. Theoret.* P. iii. c. 2. § 4.

*Homberg* in *Effai du souffre Principe* in *Memoires de l'Academie*, Ann. 1705.

*Lemery* in *Memoires de l'Acad.* Ann. 1713.  
Ibid. 1709.

*Regnault's Philosoph. Convers.* Vol. I. p. 360.

*Nieuwentyt's Relig. Phil.* Vol. I. Cont. xxi. S. 6.

*Musschenb.* El. Phys. Meeh. P. ii. c. 12. p. 226.

*Gravesande Elem. Phys.* 4<sup>to</sup>, L. iii. c. 1.

*Ode Phil. Nat. Princ.* L. ii. S. 2. c. 1. p. 201. &  
P. ii. Sect. 1. c. 3. p. 82.

*Fr. de Lanis Mag. Nat. & Art.* Tom. II. p. 13.

*Eustach. Phys.* p. 225.

*Robault. Phys.* P. i. c. 27. § 15. & P. iii. c. 9. § 2.

*Gassendi Philos. Epicuri*, p. 169.

### NEG.

Et in interno particularum motu ponunt omnes ad unum Philosophi nostrates.

*Bacon de forma calidi.*

*Boyle's Mechan. Prod. of Heat and Cold*; or,  
*Shaw's Abridgment*, Vol. I. p. 550.

*Boyle's Sceptical Chymist*; or,

*Shaw's Abridgment*, Vol. III. p. 305.

*Newtoni Optic.* p. 318, 349.

*Clarkii Not. ad Robault.* P. i. c. 2. § 15.

*Shaw's Notes to Boerhaave's Chemistry*, p.  
220. Engl. Edit. 4<sup>to</sup>.

Si utriusque partis Hypotheses breviter explicatas videre lubet, adeas *Chambers's Dictionary*, ad vocem FIRE.

31. UTR. *Corpora calefacta amplificari debent?*

A F F.

Et variis experimentis probant  
*Boerbaave* in *Elem. Chem.* 4<sup>to</sup>, Vol. I. p. 128.  
*Gravesande* *Elem. Math.* L. iii. c. 4.  
*Ode Philos. Nat. Princ.* Vol. I. p. 207.  
*Hist. Acad. Reg.* L. iii. S. 6. c. 1. § 4.

32. UTR. *Quies fit quiddam positivum?*

A F F.

*Cartes. Princ. Philos. P. ii. § 27.*

N E G.

*Clerici Phys. L. v. c. 5.*  
*Malebranche's Search after Truth*, L. iv. c. 9.  
*Ode Philos. Natur. L. ii. S. 1. c. 6.* p. 114.  
*De Stair Phys. Exp.* p. 75.  
*Clauberg. Disp. Phys.* p. 32.  
*Fr. Bayle Phys. Institut.* Tom. I. p. 96.

33. UTR. *Detur absoluta quies in rerum naturâ?*

N E G.

*Musschenbroek Elem. Phys. P. i. c. 7. § 111.*  
*Acta Erud. Leipsiens. A. D. 1695.* p. 146.  
*Boerbaave Elem. Chem.* Vol. I. p. 398.  
*Boyle's Works abridg'd by Shaw*, Vol. I. p. 21.

34. UTR. *Sympathia & Antipathia admittendæ sint in Rebus Physicis?*

A F F.

## AFF.

*Digby de Natura Corporum, P. i. c. 8. p. 407.*

## AMBIG.

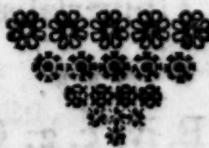
*Buddeus in Philos. Theor. P. v. c. 5.*

*Boyle's Works, abridg'd by Shaw, Vol. I. p. 85, 176.*

## NEG.

*Omnes Newtoniani.*

Conf. *Chambers's Dictionary, & Dictionarium Polygraph. ad voc. SYMPATHETIC INK.*



CAPUT

## CAPUT II.

QUÆSTIONES AD NATURALEM  
HISTORIAM SPECTANTES.I. *De MUNDO in genere,*

1. **U**TRUM revera existat Mundus materialis?

## N E G.

*Berkley's Treatise on the Principles of Human Knowledge*, p. 59.

— *Dialogue between Hylas and Philonous*.

— *Minute Philosoph. Vol. I. Dial. vi. § 9.*

— *New Theory of Vision, § 43.*

*Collier's Clavis Universalis.*

## A F F.

*Locke's Essay, B. iv. c. 2. § 14. c. 4, II.*

— *Second Reply to Bp. Stillingfleet.*

*Regnault's Philos. Convers. Vol. I. p. 18.*

*Green's Principles of Philosophy, 8°, B. i. c. 1.*

*Fr. Bayle Instit. Phil. Tom. I. P. i. p. 8.*

*Le Grand Instit. Philos. P. iv. c. 2.*

*Norris's Ideal World, P. i. c. 4.*

*Enquiry into the Nat. of the Hum. Soul, Vol. II. Sect. 2.*

Nihil

Nihil dari extensum probare aggreditur.

*Bayle* Diction. Histor. & Crit. Artic. ZENO.

Rem. F, G, J.

2. UTR. *Mundus fuerit ab æterno?*

I. Sunt, qui æternitatem tribuunt solummodo Materiæ, ex qua mundus conflatur. Hujus opinionis inventor existimatus est *Anaxagoras*.

Vid. *Diog. Laert.* L. ii. n. 6.

*Plutarch.* de Plac. Philos. L. i. c. 3.

Totum *Anaxagoræ* Systema exposuit *P. Bayle* Diction. Hist. & Crit. ad vocem ANAXAGORAS; & refellit *Cudworthus* in System. Intell. Vid. & apud eundem, *Mosheimi* Dissert. de sensu istius axiomatis, *Ex nihilo nihil fit*.

NEG.

*Henr. Mori* Opera Philos. P. i. c. 10.

*Hales* Prim. Orig. of Mankind, c. 3.

Universal History, Vol. I. p. 9.

*Clarke's* Dem. of the Being and Attributes,

Prop. iii. p. 23, 26.

*Burnetti* Archæolog. L. ii. c. 1.

*Stillingfleet's* Orig. Sacr. B. iii. c. 2. § 3, 10.

*Law's* Notes to *King* on the Origin of Evil,  
N. 12. Ed. 4<sup>to</sup>.

Enquiry into the Nat. of the Hum. Soul,  
Vol. II. Sect. 3.

II. Alii volunt & materiam & formam mundi ab æterno existitisse.

*Aristotel.* de Cœlo, L. i. c. 10.

— Phys. L. viii. c. 1—7.

*Spinoza* Op. Posth. P. i. Prop. 3. & P. ii. Pr. 2.

*Blount's* Orac. of Reason, p. 216.

NEG.

*Bentley & Gastrel* in *Boyle's Lectures*.

*Stillingfleet's* Orig. Sacr. B. iii. c. 2. § 11.

*Universal History*, Vol. I. p. 3.

*Ode Philos.* Natur. L. i. S. 1. c. 1.

*Parker de Deo*, Disputatio iv.

*Wilkins's Nat. Relig.* B. i. c. 5.

*Tillotson's Sermons*, Vol. I. S. 1.

*Cheyne's Philos. Princ.* P. i. c. 4.

*Clarke* on the Being and Attributes I. c. p. 25.

*Le Grand Institut. Philos.* P. v. c. 2.

Et (qui instar omnium est)

*Hale's Prim. Orig. of Mankind*, *per tot.*

Qui plures vult consulere auctores, adeat *Fabricium de Verit. Rel. Christianæ*, p. 355.

3. UTR. *Cosmogonia solvi possit ex mechanica rerum dispositione?*

Et variis, quas excogitarunt Philosophi, Hypothesibus præcipua obtinuerunt loca, quæ sequuntur.

I. *Epicurei* omnia ad concursum atomorum fortuitum referebant.

Vid. *Cic. de Finibus*, L. i.

*Lucret.* L. ii.

*Diog. Laertius* in *Vita Epicuri*.

Stanley's

Stanley's Lives of the Philos. P. xiii. p. 572.

Plut. de Plac. Phil. L. i. c. 4.

NEG.

Cudworth's Intellect. Syst. c. 1.

Stillingfleet's Orig. Sacr. L. iii. c. 2. § 14.

Universal History, Intr. Vol. I. p. 20.

Ray on the Creation, P. i. p. 34.

II. *Cartesius omnia ex mechanica rerum dispositione derivat.*

Cartes. Medit. Metaph.

— Princ. Philos. P. iii. *passim.*

Robault. Phys. P. vii. c. 21.

Stillingfleet's Orig. Sacræ, B. iii. c. 2. § 18.

Hypothesin hanc clare & breviter expositam videre erit in *Univ. History*, Introd. Vol. I. p. 35.

NEG.

Ray on the Creation, P. i. p. 41.

Cudworth's Intell. System, p. 603.

Boyle on final Causes, Sect. 1.

— Enquiry into the vulgar Notion of Nature, p. 77, 124.

Baker's Reflections on Learning, c. 7.

III. Proximum consecuta est locum & existimationem BURNETTI Hypothesis non sine multo ingenio conficta, in Theor. Telluris, L. i. c. 5. Archæol. L. ii. c. 3.

Eam refellunt,

Keill's Exam. of Burnet's Theory, P. i. c. 2.

Universal History, Vol. I. p. 36.

Warren's Exceptions to Burnet's Theory.

IV. Denique WHISTONI Hypothesis famam  
cæteris haud minorem meruit & obtinuit.

Vid. *Whiston's New Theory of the Earth.*

Hanc breviter expositam Vid. in *Universal Hist.* p. 38. & plane refutatam a *Keillio* in *Remarks on Mr. Whiston's Theory*, p. 140. and *Defence of those Remarks*, p. 311. second Edit.

*Mosaicam Creationis Historiam explicatam*  
vid. in *Nichols's Conference with a Theist*,  
Vol. I. P. i. *Universal History*, Introd. p. 41.

#### 4. UTR. *Ordo mundi probet Deum.*

AFF.

*Bentley's Boyle's Lectures*, Serm. vi, vii, viii.

*King de Orig. Mali*, with *Law's Notes*, c. 4.

*Parkeri de Deo*, Disp. ii, v.

*Le Grand Instit. Physi.* P. v. c. i.

*Stillingfleet's Orig. Sacrae*, B. iii. c. i. § 16.

*Cheyne's Philos. Princ.* P. i. c. 5.

Hanc materiam ex professo & summo cum  
ingenio tractarunt

*Ray on the Creat. & Physico-Theol.* Disc.

*Derham's Physico-Theol. & Astro-Theol.*

*Nieuwentyt's Religious Philosopher*, 3 Vol.

*More's Antidote against Atheism.*

*Whiston's Astronom. Principles of Religion.*

II. *De ANIMALIBUS.*5. UTR. *Detur aequivoca generatio?*

AFF.

Veteres *Ægyptii* & *Aristotelici*, ut literis proditum est in *Diodor.* *Plin.* *Ovid.* *Ælian.* *Mela.* *Cicer.* aliisque, quos legere & refutatos videre juvabit apud *Stillingfleet* *Orig. Sacr.* P. ii. B. i. c. i.

Et huic opinioni adstipulari videtur

*Plot Hist. of Staffordshire*, c. i. §. 47.

*Conf. Lowthorp's Abr. of Ph.* *Transl.* Vol. II.

p. 143, 144.

NEG.

Omnes qui inter Philosophos melioris notæ censendi sunt.

*Hale's Originat. of Mankind*, Sect. iii. c. 3, 7.

*Etmulleri Institut. Med.* c. 23.

*Lister de Infect.* p. 47.

*Ray on the Creation*, P. ii. p. 344.

*Stillingfleet* l. c.

*Buddeus de Philos. Theoret.* P. i. c. i. §. 17.

*Franc. Rbedi Exper. Natur.*

*Wollaston's Rel. of Nat.* Sect. v. Prop. 15. p. 88.

*Bentley's Boyle's Lectures*, Serm. iv.

*Boerbaeve Elem. Chem.* 4<sup>to</sup>, Vol. I. p. 489.

*Philos. Letters pub. by Derham*, p. 261, 285.

*Derham's Physico-Theol.* B. iv. c. 15, Note a.

*Harvei Exercitat.* 49, 50.

*Watts's Philos. Essays*, p. 195.

*Harris's Lex.* Vol. II. ad voc. GENERATION.

6.

6. UTR. *Omnia Animalia producantur ex ovo?*

Hæc quæstio priori opponitur, adeoque qui illic *affirmant*, hic *negant*. Itaque adeas auctores supra citatos.

## AFF.

Item *Boerhaave* Instit. Med. § 673.  
*Morgagni* Adv. 1. Tit. 3.  
*Harveus* de Generat.  
*Lewenboeck* in Epist.

## AMBIG.

*Drake* in Anat. qui diversas auctorum sententias ad examen revocat.

7. UTR. *Producantur Animalia juxta leges mechanicas?*

## AFF.

*Watts* Philosoph. Essays, ix. p. 201.  
*Willis* de Anim. Brut.

## NEG.

*Universal History*, Vol. I. Introd. p. 43.  
*Cheyne's Philos. Princ.* c. iii. § 10. c. vi. § 39.

Principium quoddam *Hylarchicum* (quod in Enchiridio Metaphysico vocat *Spiritum Naturæ*) ulterius requirit *Hen. Morus* in Op. Philos. Fol. Vol. I. p. 26, 39, 219, 611. Et vim *Plasticam* (quæ prorsus idem sonat)

*Ray* on the Creation, P. i. p. 45, seqq.  
*Cudworth* Intell. System, p. 603.

*Morboſi*

*Morboſii Polyhist. Tom. II. L. ii. c. 19. p. 285.*

*Andr. Rudigeri Physica Divina, 4<sup>to</sup>.*

Cum hac Quæſtione cognationem habet altera:

8. UTR. *Accrescant Animalia juxta leges mechanicas?*

A F F.

Plerique recentiores. Consulantur libri supra citati; quibus addas *Arbuthnot on Aliments.* *Albin de Oſſibus. Boerbaave Instit. Med. §. 434,* 480.

9. UTR. *Mutua corporis & animæ actio ſolvi poffit?*

Ad tria ſystemata revocari poffunt virorum doctorum de hac re ſententiæ.

Primum vocatur ſystema *Influxūs*, quod ampliſſi sunt *Cartefiani*.

Vid. *Cartef. de Homine.*

Secundum eſt ſystema *Adſtentiaſe* seu *Cauſarum occaſionalium* (ut loquuntur) in quo Deus immediate omnem motum efficere ſupponitur.

Vid, *Buddei Isagoge*, Tom. I. p. 239, 274.

Tertium denique eſt ſystema *Harmoniaſe præſtabilitaſe*, cuius inventor & auctor fuit *Leibnitzius*.

Vid. *Effais de Theodic. & Papers betwixt Leibnitz and Clarke.*

Eandem

Eandem propugnavit sententiam *Christ. Wolflus* in *Luculenta Commentat. de Systemate harmoniæ præstabilitæ*, Sect. ii. §. 18 p. 57. seqq. Itemque *G. B. Bulfinngerus* in *Commentat. de harmonia animi*. *Huic opposuit Langius* in *Causa Dei & Relig. Nat. Sect. i. Argum. i. §. 3. p. 102.* Itemque in *Modesta Disquis. c. 2. p. 67.*

At omnibus rectius philosophantur, qui animam agere in corpus, & vicissim corpus in animam, & nihil de modo actionis statuunt, sed ignorantiam fatentur.

10. UTR. *Admittenda sit præexistentia animæ humanae?*

A F F.

Veteres *Pythagorici & Platonici*; quos acriter in hac re defendit *Henricus Morus* (vir doctus, sed sententiis *Platonicis* nimium addictus) *Oper. Philos. Tom. II. p. 365. seqq.* Et in *Poem. Philos.* quae vulgavit *Anglice Cantabri. 1647, 8vo.* Eadem propugnatur *Hypothesis ap. Rust Lux Orientalis.*

*Letter concerning Origen and his Opinions, printed in the Phænix. Sandius de Orig. Animæ.*

N E G.

*Barrow*, qui *Moro* jam laudato responsum dedit.

*Hale's Primitive Origin. of Mankind.*

*Parker on the Praeexistence of Souls.*

*Edward Warren's No Praeexistence.*

11. UTR. *Anima fit ex traduce?*

A F F.

*Tertullian*, & alii quidam e veteribus; Et e recentioribus

*Watts Philos. Essays*, ix. p. 201.

*Thomafii Dissertatio de Orig. Animæ Hum.*

*Planerus de Animæ Hum. propagatione.*

N E G.

*Cartesiani*, & inter eos præcipue (qui in *Cartesii* verba nunquam non juraverit) *Ruardus Andala* *Dissert. iv.* animum à Deo, quoties generatur corpus, creari disputat.

*Roetembeccii Diff. de Orig. Mentis Hum.*

*Wollaston's Religion of Nature*, Sect. v. p. 88.

Animas humanas ex *Anima Mundi* decerptas esse vetus est opinio, quam non ita pridem resuscitavit *Carolus Blount* in Libro cui titulus, *Anima Mundi*.

Eam refellit *Cocceius* in Op. Tom. vi. Ep.

224.

12. UTR. *Bruta cogitent?*

A F F.

*Locke on Hum. Und.* B. ii. c. 11.

*Buddei Philos. Theor.* P. ii. c. 1. § 8, 9.

*Clarke's Letters to Dodwell*, paſſim; & quotquot materiæ capacitatem cogitandi detrahunt, Vid. *infra Qu. Utr. Materia poffit cogitare?*

F

N E G.

## NEG.

*Malebranche de Veritate inquirend.* L. vi.

*Willis de An. Brut.*

*Ode Philof. Nat. Princ. Tom. II. p. 44.*

*Norris's Ideal World, P. ii. c. 2.*

*Le Grand Institut. Philof. P. vii. c. 18.*

*Cartesii Epist. P. i. Epp. 54, 67, 68, 69.* Et  
P. ii. Ep. 10.

*Philof. Burgund. Tom. II. p. 1194.*

*Brown's Extent and Limits of Hum. Under-  
standing, B. ii. c. 2. p. 158.*

Nec prætereunda est veterum Philosophorum  
Discrepantia de Brutorum animis. Ea animâ  
cogitativâ prædita esse dogma receptum fuit A-  
NAXAGORÆ & PYTHAGORÆ.

*Plutarch. de Plac. Philof. L. v. c. 20.*

Contrarium prorsus docuit *Cicero in Tusc.* Qu.  
L.i.c.33. *De Offic.* L. i. c. 4. & *Seneca de Irâ,*  
L. i. c. 3.

13. UTR. *Motus muscularis solvi posse me-  
chanicè?*

Varias Hypotheses ad actionem Musculorum  
solvendam invenérunt ingenia hominum, qui de  
re Anatomicâ scripserunt.

I. Nonnulli elasticarum fibrarum, i.e. ner-  
vorum contractioni attribuunt.

*Morgan's Philof. Princip. of Medicine, P. ii.  
Prop. 4. p. 120.*

*Cowper's*

*Cowper's Myotomy*, cum Præfatione quam præmisit *Pemberton*.

*Lower de Corde*.

*Baglivi de Fibra*.

*Wepfer de Cicut*. Aq. c. viii. p. 87.

*Sennert Instit. Med. L. i. c. 15*.

II. Alii intumescentiæ muscularum ope fermentationis sanguinis & spirituum animalium five liquidi nervosi adscribendam esse volunt.

*Keill's Anatomy*, c. ii. S. i. p. 27.

— Animal Oeconomy, Essay v.

*Willis de Anim. Brutorum*.

*Bernoulli de Motu Muscul*.

III. Nec contemnendæ sunt eorum Hypotheses, qui soli liquido nervoso tribuunt.

*Boerhaave Instit. Med.* § 300—320.

*Borelli de Motu Animal*. P. i.

*Al. Stuart. Philos. Transact. An. 1731. or*,

*Martyn's Abridg.* P. iii. p. 285.

A M B I G.

*Hale's Statics*, Vol. II. p. 58.

*Cheyne's Princ. of Philos.* c. vi. § 37.

[Vibrationibus Ætheris *Newtoniani* muscularum motum tribuit

*Robinson of the Animal Oeconomy*, Prop. viii.]

Qui plura vult, adeat *Chambers's Diction*. or

*Harris's Lexic*, ad vocem MUSCLE.

14. UTR. *Detur liquidum nervosum?*

## NEG.

*Cheyne's English Malady*, c. i. qui in libro prius edito affirmaverit.

— Philos. Princ. c. vi. § 35, 37.

*Wepfer de Cicut.* Ap. c. viii.

*Morgan's Philos. Princ.* P. ii. p. 136.

*Thomson's Anatomy*, S. 9.

## AFF.

*Boerhaave, Keill, Willis, Borelli, Malebranche*, aliquique loc. citat.

15. UTR. *Æthiopum Nigredo solvatur ex causis naturalibus?*

## AFF.

*Universal History*, Introd. Vol. I. p. 47.

*Nicholls's Conf. with a Theist*, Vol. I. P. 1.

Qui plura vult, adeat *Malpighi Op.* aliosque Scriptores anatomicos de cute.

16. UTR. *Effectus TARANTULÆ morsus solvi possint mechanice?*

## AFF.

*Mead upon Poisons*, p. 59.

*Rowning's Comp. Syst. of N. Ph.* P. ii. Diff. 1.

*Nieuwentyt's Relig. Philos.* Vol. I. p. 29.

*Chambers's Dict. ad vocem TARANTULA.*

III. *De VEGETABILIBUS.*

17. UTR. *Plantæ nascantur sponte & sine semine?*

NEG.

*Clerici Phys.* P. iv. c. 2. § 33, seqq.

*Malpighi Anatoma Plantarum.*

*Hamelius in Hist. Acad. Reg.* p. 309.

*Tournefort ibid. & Inst. rei Herbar. Isag.* p. 68.

*Ode Philos. Natur.* Tom. II. c. 2. p. 50.

*Ray on the Creation,* P. i. p. 125.

*More's Antidote against Atheism,* B. ii. c. 6.

*Derham's Phys. Theol.* B. x. p. 404.

18. UTR. *Integrum Plantæ contineantur in semine?*

AFF.

*Nieuwentyt's Rel. Ph.* Vol. II. Cont. 23. p. 695.

*Regnault's Ph. Con.* Vol. III. Conv. 1. p. 5.

*Mem. de l'Acad. Par.* 1701. p. 315. & 1707.

p. 47.

*Buddeus de Philos. Theor.* P. ii. c. 2. § 20.

*Grew's Anatomy of Plants.*

*Bentley's Boyle's Lectures, Serm.* iv. p. 160.

*Bradley on Gardening.*

Quibus addantur auctores supra citati.

19. UTR. *Detur analogia inter generationem nutrimentumque Plantarum & Animalium?*

AFF.

AFF.

*Malpighi, Grew, Buddeus, aliique jam laudati.*  
*Analogiam hanc breviter expositam dedit*  
*Chambers's Diction. ad vocem PLANT.*  
*Add. Derham's Physico-Theol. B. x. p. 404.*  
*Shaw's Not. to Boerhaave's Chem. p. 142, 149.*  
*Hale's Veget. Staticks, c. 7. p. 318.*  
*Clerici Phys. L. iii. c. 1, 2.*

20. UTR. *Plantæ sint Mares & Fæminæ?*

AFF.

Plerique in re Botanica versati,  
 Vid. *Bradley, Grew, Malpighi, Ray, &c.*

21. UTR. *Vegetabilium generatio & incrementum ex causis mechanicis solvi possint?*

Vid. supra, Qu. 7.

22. UTR. *Detur circulatio succi in vegetabilibus?*

AFF.

*Boerhaave's Chem. by Shaw, p. 143.*  
*Bradley Philos. Trans. N°. 349. or,*  
*Motte's Abr. Vol. II. P. iii. p. 291.*  
*Perrault Memoires de l'Acad. 1667.*  
*Malpighi Mem. de l'Acad. 1669.*  
*Regnault's Philos. Convers. Vol. III. p. 19.*  
*Grew's Anat. of Plants.*  
*Lister, Philos. Trans. N°. 70. or,*  
*Lowthorp's Abr. Vol. II. p. 689.*

NEG.

N E G.

*Hale's Staticks*, V. I. p. 134. V. II. p. 264. &c.

*Tong, Dodart & Switzer.*

Vid. *Chambers Dict.* ad voc. CIRCULATION.

23. UTR. *Vegetabilibus competit respiratio?*

A F F.

*Derham's Phys. Theol.* B. x. p. 406.

24. UTR. *Aqua pura fit nutrimentum vegetabilium?*

N E G.

Et aquam, quā nutriuntur plantæ, terrenis particulis imbutam esse contendunt

*Woodward on Vegetation in Misc. Cur.* Vol. I. p. 203.

*Boyle's Sceptical Chymist*, P. ii.

*Ode Philof. Nat. Princ.* Tom. II. c. 2. p. 51.

*Baconi Sylva Sylvarum*, Cent. v. §. 411.

*Nieuwentyt's Relig. Philof.* Vol. II. p. 467.

*Helmonti Opera*, p. 65.

Ea verò *experimenta crucis* videntur in hac quæstione, quæ probant non dari aquam puram & elementarem. Vid. *infra Cap. vi. Qu. 21.*

IV. De REBUS TERRESTRIBUS.

25. UTR. *Fossilia in Strata distribuantur secundum specificas suas gravitates disposita?*

A F F.

## AFF.

*Derham's Phys. Theol.* B. iii. c. 2.

*Woodward's Nat. Hist. of the Earth*, p. 28.

*Steno's Prodromus*, p. 74.

## NEG.

*Motte's Abr. of Ph. Tr.* Vol. II. P. iii. p. 237.

*Leigh's Nat. Hist. of Staffordshire*.

*Lister's Letter to Ray*.

26. UTR. *Conchæ in subterraneis paribus inventæ Diluvium universale probent?*

## AFF.

Hanc Hypothesin *WOODWARDO* acceptam referamus, oportet.

— *Natural Hist. of the Earth*, P. ii. or *Philosoph. Transf.* N°. 217. p. 115.

Cui suffragantur

*Ray's Physico-Theolog. Discourses*, P. iii.

*Derham's Ph. Letters*, p. 165, 196, 235, 288.

*Hook's Posth. Works*, p. 279.

*Delany's Revel. examin'd*, Vol. I. *Dissert.* xi.

*Journal de Scavans*, A. D. 1715. p. 19.

## NEG.

*Camerarius*, qui *Woodwardianam Theoriam* ad examen revocavit.

Vid. *Chambers's Diction.* ad vocem FOSSIL.

27. UTR. *Fossilia ad imaginem animalium & vegetabilium formata sint Lusus Naturæ?*

## NEG.

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N E G.

*Woodward, Derham, Hook* loc. citat. Add.  
*Shaw's Abridgment of Boyle's Works*, Vol. II.  
p. 167. Vol. III. p. 528.

A F F.

*Lister.* Vid. *Ray's Three Discourses*, 8vo,  
*Lond. 1695.* p. 127.

28. UTR. *Mineralia, Metalla & Lapidés accrescant?*

A F F.

*Derham's Physico-Theol.* B. iii. c. 2. p. 63.  
*Boyle's Sceptical Chymist*, p. 360. or,  
*Shaw's Abridgm.* Vol. I. p. 342. & Vol. III.

p. 130—134.

*Clerici Phys.* L. ii. c. 4, 5.

*Tournefort de Metallis.*

N E G.

*Woodward's Nat. Hist. of the Earth*, P. iv.  
*Shaw's Notes to Boerhaave's Chemist.* p. 60.

29. UTR. *Diluvium solvi posse mechanice?*

A F F.

Notissimæ sunt WHISTONI, & BURNETTI  
Theoriæ, quas vide. Easdem breviter & dilu-  
cide expositas legere juvabit in Universal Hist.  
Vol. I. p. 36. Vel in *Chambers's Dictionary*, ad  
vocem DELUGE.

G

N E G.

## N E G.

*Keill's Exam. of the Theorists*, Ed. 2.

*Warren's Exceptions to Burnet's Theory*.

*Baker's Reflections on Learning*, p. 83.

*Stillingfleet's Orig. Sacr.* B. iii. c. 4. § 3.

*Witty on the Six Days Creation*.

*Beaumont's Considerat. on Burnet's Theory*.

30. UTR. *Ignes subterranei & Terræ Motus  
orientur ex fermentatione vaporum sulphure &  
nitro imbutorum?*

## A F F.

*Newtoni Optice*, in Quæst. sub finem, p. 326.

*Lister in Philos. Transf.* N°. 157.

*Lowthorp's Abr. of Ph. Transf.* Vol. II. p. 120.

*Shaw's Abr. of Boyle's Works*, Vol. I. p. 641.

*Hook's Posth. Works*, p. 279.

*Regnault's Phil. Conv.* Vol. II. p. 67.

*Clerici Phys. L.* ii. c. 3.

## N E G.

Et igni cuidam subterraneo attribuit

*Woodward's Nat. Hist. of the Earth*, P. iii.  
p. 151. seqq.

Variæ fuerunt veterum Philosophorum Hypotheses de Terræ motibus, quas vix opus est recensere. Cui cognoscere eas lubet, adeat.

*Plutarch. de Plac. Philos.* L. iii. c. 15.

*Plin. Nat. Hist.* L. ii. c. 79.

*Senec. Qu. Natur.* L. vi. c. 6, 10.

*Sturmii Philos. Elect.* Tom. I. Exerc. xi. c. 5.

Qui

Qui plura vult, consulat

Ode Philos. Nat. Princ. Tom. II. c. 3. p. 76.

Chambers's Dict. ad vocem EARTHQUAKE.

Vid. infra Quæst. de Tonitru & Fulgure, c. 4.

31. UTR. Fontes oriantur e mari?

A F F.

*Le Grand* Instit. Philos. P. vi. c. 7.

*Varenii* Geogr. L. i. c. 16. Prob. v. p. 203.

*Hook's Microgr.* p. 25.

*Robaulti Phys.* P. iii. c. 10.

*Clerici Physica*, L. ii. c. 7.

*Plin. Nat. Hist.* L. ii. c. 97.

*Honor. Fabri Phys. Tract.* vi. L. iii. Prop. 110.

*Kircheri Mund. subterrani.* L. iii. Sect. ii. c. 8.

*Bocco* in *Act. Erud. Suppl. Tom. III.* p. 197.

*Cartes. Princ. Phil.* P. iv. §. 64.

*Claubergii Disp. Phys.* 24.

*Andalæ Phys.* P. iv. Exerc. 11.

*Michelottus* in *App. ad J. Bernoulli de Eff.*

*Gulielmini della Natura de Fiumi.*

[*Plot de Origine Fontium*, qui tamen fontes nonnullos ex pluviis & vaporibus derivari concedit § 4, 53, 60.]

N E G.

*De la Hire*, Mem. de l'Acad. 1703. p. 60.

1713. p. 56.

*Sideleau* Mem. de l'Acad. 1693. p. 321.

Sunt, qui ex imbribus & solutis nivibus derivant.

*Perrault* Memoires de l'Acad.

*Marriotte's Hydrostaticks*, P. i. Disc. ii. p. 13.

*Caspar. Bartholini* Dissert. de Orig. Font. quæ recensetur in Act. Erud. Tom. II. Suppl. p. 539—542.

*Hamelii Hist. Acad. Reg.* p. 321.

*Nieuwentyt's Rel. Philos.* Vol. II. Contempl. xix. §. 45.

Nonnulli utrique causæ fontes attribuunt.

*Regnault's Philos. Convers.* Vol. II. p. 111.

*Philos. Burgund.* Tom. II, p. 1016.

*Buddei de Philos. Theor.* P. iii. c. 1.

*Dale's History of Harwich* p. 332.

*Woodwardus* fontes ex visceribus telluris, & aquarum abyssio ibidem reposita (ope subterranei ignis) repetit.

— Nat. Hist. of the Earth, P. iii. S. 1.

*Whiston's Theory*, B. iii. c. 1. Phæn. 12.

Hodie vero receptissima est HALLEI Hypothesis, qui eos a vaporibus ut plurimum derivat.

Vid. Misc. Curios. Vol. I. p. 1.

*Lowthorp's Abridg. of Philos. Trans.* Vol. II. p. 108, 126, 192, 298, 305, 329, 351.

*Philos. Trans.* N°. 119, 189, 192, 384, 424.

*Hales's Stat. Essays*, Vol. I. p. 56. Vol. II. p. 257. Meteorological Essays, Treat. i.

*Boerhaave's Chem. Elem.* 4<sup>to</sup>, Tom. I. p. 473.

*Rowning's Comp. Syst. of N. Ph.* P. ii. Diff. iii.

*Clare's Motion of Fluids*, p. 309.

*Harris's*

REBUS TERRESTRIBUS. 43

Harris's Lexicon, and Chambers's Dictionary,  
ad vocem SPRING.

32. UTR. *Thermarum seu fontium calidorum generatio ab igne subterraneo derivetur?*

A F F.

Woodward's Nat. Hist. of the Earth, P. iii. S. 1.

N E G.

Et admisitioni sulphurearum particularum attribuunt

*Varen.* in Geogr. Gen. L. i. c. 17. Pr. 7. p. 196.

*Ode Philos.* Nat. Princ. P. II. p. 51.

*Philos.* Burg. Tom. II. p. 1021.

33. UTR. *Aquarum mineralium generatio recte explicetur à VARENIO?*

A F F.

*Varen.* Geogr. Gen. L. i. c. 17.

*Shaw's New Experiments on Mineral Waters.*

*Philosoph. Transf.* N°. 337. p. 247. N°. 351.  
p. 564. N°. 49, 111. p. 234.

*Lowthorp's Abr.* Vol. II. p. 333, seqq.

*Motte's Abr.* Vol. II. P. iii. p. 219, seqq.

*Kircheri Mund. subterr.* Tom. I. Sect. ii. c. 3.

*Boyle's Nat. History of Mineral Waters;* or,  
*Shaw's Abridgment,* Vol. III. p. 495, seqq.

*Ode Phil. Nat. Princ.* P. II. p. 71.

34. UTR. *Lacuum generatio & conservatio recte exponatur à VARENIO?*

A F F.

AFF.

*Varen. Geogr. Gen. L. i. c. 15. p. 144.*

35. UTR. *Fluviorum origo vera assignetur à VARENIO?*

AFF.

*Varen. Gen. L. i. c. 16.*

*Nieuwentyt's Rel. Phil. Vol. II. Cont. xix. § 45.*  
*Chambers's Diction. ad vocem RIVER.*

36. UTR. *Inundationis Nili vera causa explicetur à SENECA?*

AFF.

*Senecæ Nat. Qu. L. iv. c. 2. Vol. II. p. 747.*

NEG.

*Varenii Geogr. L. i. c. 16. Prop. 20.**Salmon's Modern Hist. Vol. V. p. 10.*

*Boyle's Works, abr. by Shaw, Vol. I. p. 433.*  
*Universal History, Vol. I. p. 180.*

*Plot de Orig. Fontium, § 14, seqq.*

37. UTR. *Insulæ dentur, quæ mari innatant?*

AFF.

E veteribus plurimi: ut, *Thales, Seneca, Plinius, &c.* & e recentioribus, *Boethius in Historia Scotiæ, & Varenius in Geogr. Gen. L. i. c. 18. Prop. 14.*

38. UTR. *Aquarum marinorum salsediniis causa vera assignetur ab HALLEIO?*

A F F.

Philof. Transact. N°. 344. or,  
Motte's Abridg. Vol. II. P. iii. p. 208.  
Varenii Geogr. L. i. c. 13. Prop. 8, 9, 10.

39. UTR. *Aqua marina ab arte reddi potest dulcis?*

A F F.

Buddeus in Philof. Theor. P. i. c. 1. § 38.  
Boyle on the Saltiness of the Sea; or,  
Shaw's Abridgment, Vol. I. p. 597.  
Lowthorpe's Abr. of Ph. Tr. Vol. II. p. 297.

40. UTR. *Aquæ marinæ gravitas specifica debeat esse pluviali major?*

A F F.

Varenii Geogr. Gen. L. i. c. 13. Prop. 12.

41. UTR. *Frigus oriatur ex mera partium quiete?*

A F F.

Qui ignem elementarem tuentur. Vid. supra,  
Cap. 1. Qu. 30. & speciatim  
Ode Philof. Natur. Princ. P. I. p. 209.

N E G.

Et particulas quasdam frigorificas (forte nitrofas) requirunt

Gaffendus

*Gassendus* Philos. Tom. I. p. 172.

*Boyle's Hist. of Cold*; or,

*Shaw's Abridgment*, Vol. I. p. 530.

*Cheyne's Philos. Princ.* P. i. c. 2. § 28.

*Buddeus de Philos. Theor.* P. v. c. 4. § 16.

*Stairii Physiol.* Nov. Expl. 16. N. 22.

42. UTR. *Aquaæ congelatio ex merâ ignis privatione solvatur?*

AFF.

*Cartesiani.*

NEG.

*Philos. Transact.* A.D. 1666. p. 196.

*Rowning's Comp. Syst.* P. ii. c. 1. § 2. Note.

*Marriotte's Hydrostat.* p. 2.

*Musschenbroek El. Phys.* p. 222. § 803, 804.

*L'Histoire de l'Acad.* 1712. p. 27.

*Boyle's Works* abr, by *Shaw*, Vol. I. p. 210, 478, 716.

*Clark.* Not. in *Robault.* P. i. c. 22, § 29.

*Clare's Motion of Fluids*, p. 314.

Vid. *Singulorum Hypotheses* clare expositas in *Chambers's Dict.* ad vocem FREEZING.

43. UTR. *Aqua congelata dilatari & rarefieri debet?*

AFF.

*Boyle's Works* abr. by *Shaw*, Vol. I. p. 615.

*Robaulti Phys.* P. i. c. 23. § 35.

*Hales's Statical Essays*, Vol. II. p. 277.

*Ode Philos. Nat. Princ.* P. I. p. 210.

Boerhaave

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Boerhaave Elem. Chem. Tom. I. p. 621.

Rowning & Chambers ubi supra.

44. UTR. *Aqua in fluminibus juxta fundum fit prius congelata?*

A F F.

Hale's Statical Essays, Vol. II. p. 355.

Plot's Hist. of Oxfordshire.

Boyle's Works abr. by Shaw, Vol. I. p. 643.

45. UTR. *Lachrymarum vitrearum Phænomena solvantur ex naturali effectu caloris & frigoris?*

A F F.

Sturmii Colleg. Curios. P. II. Tent. vi. § 10.

Ode Philos. Nat. Princ. P. I. p. 77.

Robault. Phys. P. i. c. 22. § 47.

Worster's Princ. of Philos. p. 162.

Regnault's Phil. Conv. Vol. I. p. 346.

Hook's Microgr. Obs. vii.

Homberg Histoire de l'Acad. L. iv. S. i. c. 1.

46. UTR. *Magnetis Phænomena solvantur ex principiis mechanicis?*

A F F.

Cartes. Princ. P. iv. § 133, &c.

Philos. Burgund. Tom. II. P. 1093.

Le Grand Institut. Phil. P. vi. c. 10.

Bernoulli de Gravitat. Ætheris, p. 2.

Robault. Phys. P. iii. c. 8.

H

Sturmii

*Sturmii* Phil. Elect. Tom. I. p. 468. & Tom. II. p. 1109.

*Andala*, P. iv. Exerc. 16. § 25.

*Regnault's Philos. Convers.* Vol. I. p. 196.

*Hook's Posth. Works*, p. 364.

Solutionem prorsus novam & è proprio ingenio depromptam coram Regiâ Societate proposuit **HALLEIUS**,

— Philos. Transact. N°. 148. or,  
*Lowtherpe's Abridgment*, Vol. II. p. 610. or,  
*Miscellanea Curiosa*, Vol. I. p. 43.

### NEG.

*Newton. Princ. Math.* L. ii. Schol. ad Pr. xxiii.

*Musschenbroek Phys. Exper. de Magnete*, 4<sup>to</sup>.

— *Elem. Phys.* § 573.

Varia magnetis Phænomena necnon & diversas eorum solutiones expositas vid. apud *Cleric.* in *Phys.* L. ii. c. 6.

Conf. *Hawksbee's Physico-Mech. Exp.* p. 322.

*Ode Philos. Nat.* P. II. c. 3. p. 95, seqq.

*Whiston's Doctrine of the Magnet.*

*Kircheri Ars Magnetica.*

*Chambers's Diction.* ad vocem **MAGNET.**

47. UTR. *Corporum Electricorum Phænomena ex mechanicis principiis solvi possint?*

*Cartesiani* primo Elemento attribuunt.

*Cartesii* Princip. P. iv. § 184.

Vid. supra, C. I. Qu. 6.

New-

REBUS TERRESTRIBUS. 51

*Newtoniani Vi Attractrici [& Repulsivæ.]*

*Keill Ep. de Leg. Att. Th. 30. vel in Op. 4<sup>to</sup>,*  
p. 635.

*Newtoni Optic. in Qu. sub finem.*

*Desaguliers's Exper. Philos. Vol. I. p. 17, 21.*

*Worster's Princ. of Phil. p. 29.*

*Gravesande Elem. Math. L. iii. c. 2.*

*Helsing. Lect. in N. Ph. L. ii. p. 16. & iii. p. 33.*

*Bernoulli ætheri cuidam ignoto. De Gravit.*  
*Ætheris, p. 23.*

*Quiddam huic simile innuere videtur Newtonus in Princ. Math. pag. ult. & in Optic. Qu. 18. seqq.*

Sunt, qui effluviis corporis electrici & rarefactioni aëris adscribenda esse volunt; ut *Gassendus, Gilbert, Digby.*

Vid. *Chambers's Dict. ad voc. ELECTRICITY.*

Varia Electricitatis Phænomena, vid. apud *Boyle.*

*Shaw's Abridgment, Vol. I. p. 397—510.*

*Hawksbee's Physico-Mech. Exper. p. 139.*

*Rowning's Comp. Syst. P. I. c. 3.*

Plurima nova Phænomena (quæ notis hodiernæ Philosophiæ legibus vix subjici possint) invenit *Steph. Gray, Philos. Transact. N°. 417, or Desaguliers's Exper. Philos. Vol. I. p. 450.*

Vid. *Martyn's Abr. of Ph. Trans. Vol. VI. P. ii. p. 7—27. & Vol. VII. P. iv. p. 96.*

Phil. Trans. Vol. XXXVIII. N° 431. p. 258.

— Vol. XXXIX. N°. 436. p. 16. N°. 439.

p. 166. N°. 441. p. 220.

48. UTR. *Corporum Elasticitas solvatur ab attractione & repulsione?*

NEG.

Ope materiae subtilis solvunt *Cartesiani*.

*Robaulti Phys.* P. i. c. 22. § 37.

*Clerici Phys.* L. v. c. 17.

*Philos. Burgund.* Tom. II. p. 805.

*Cartes. Epist.* 23, 94.

*Fr. de Lanis, Mag. Nat. & Art.* Tom. II. L. vi. c. 2. Prop. 9.

Vid. supra, Cap. 1. Qu. 10.

AFF.

*Newton. Optic.* p. 338.

*Sturm. Phys. Elect.* Tom. I. p. 331.

*Cheyne's Philos. Princ.* P. i. c. 2. § 44.

*Gravesande Elem. Math.* L. i. c. 5. p. 12.

*Musschenbroek Elem.* § 396.

*Ode Philos. Nat. Princ.* P. I. p. 70.

Vid. supra, Cap. 1. Qu. 20, 21.

Varia Elasticitatis Phænomena, vid. in *Shaw's Abridgment of Boyle's Works*, Vol. I. p. 492. Vol. II. p. 125, 488.

Diversas de Elasticitate Hypotheses nobis exhibet *Chambers's Dictionary*, ad vocem ELASTICITY.

CAPUT

## CAPUT III.

## QUÆSTIONES CHEMICÆ.

1. **U**TRUM *quinque sunt Chemicorum Elementa?*

Quidam cum *Paracelso* tria fingunt Principia vel Elementa; alii his duo addunt & conficiunt quinque, *viz.* Salem, Sulphurem, Mercurium, Aquam vel Phlegma, & Terram vel Caput mortuum, e quibus omnia corpora, utcunque mixta, compontuntur, & in quæ ab arte Chemicâ resolvi possunt.

Vid. *Chambers's Dict.* ad voc. ELEMENT.

*Freind* Prælect. Chym. p. 2.

*Ode Philos.* Nat. P. I. S. I. c. 4 p. 56.

*Robaulti Phys.* P. i. c. 20.

*Clerici Phys.* L. 5. c. 1. § 15.

*Philosoph. Vetus & Nova*, Tom. III. Tract. i.

Disp. 3. Qu. 5.

At celeberrimi inter recentiores de re Chemicâ scriptores negant corpora in principia sua posse resolvi, adeoque nihil omnino de Elementis a nobis intellectum esse contendunt.

*Boyle's Sceptical Chymist, and Production of Chymical Principles.*

*Shaw's*

*Shaw's Abridgment of Boyle*, Vol. I. p. 267.

Vol. II. p. 123. & Vol. III. p. 261, 299.

*Boerhaave's Chem. with Shaw's Notes*, p. 175.

*Homberg's Mem. de l'Acad. Roy. A. D. 1702.*

2. UTR. *Detur Menstruum universale?*

N E G.

*Boerhaave Elem. Chem. Vol. I. p. 848.*

*Buddei Philos. Theor. P. ii. c. 3. § 7.*

3. UTR. *Aurum arte Chemica ex quibusvis aliis metallis confici possit?* Sive,

UTR. *Dari possit Mercurius Philosophicus\*?*

N E G.

*Le Grand Instit. Philos. P. vi. c. 8.*

*Boerhaave & Buddeus* in loc. cit.

*Boyle's Works abridg'd by Shaw*, Vol. I. p. 372, 381, 456. Vol. III. p. 408.

Fuerunt, qui eum esse inventum jaſtitarunt,  
quos vid. apud *Sturm. Phil. Elect. T. II. p. 426.*

Mira de ejus effectibus fabulatur

*Wedelius* in *Act. Er. Lips. A. D. 1707. p. 408.*

4. UTR. *Dari possit Metallorum transmutatio?*

A F F.

*Boyle* in *Shaw's Abridgment*, Vol. I. p. 166, 207, 267, 382. Vol. III. p. 438.

\* Anglice, *The Philosopher's Stone.*

*Homberg*

*Homberg* Mem. de l'Acad. 1709. p. 139, 143.  
*Gassendi* Opera, Tom. II. p. 135.

## NEG.

*Ray* on the Creation, P. i. p. 113.  
*Conf. libros supra citatos.*

5. UTR. *Solidorum dissolutio in menstruis sol-  
vatur ab attractione?*

## AFF.

*Freind* Prælect. Chym. L. vi. p. 88.

*Boerhaave* Elem. Chem. Vol. I. p. 699, &c.

— English Edit. by *Shaw*, p. 342.

*Boyle's Works*, abr. by *Shaw*, Vol. I. p. 301.  
 Vol. II. p. 472.

*Keill* de Leg. Attr. Ep. sub fin. vel in Op. 4<sup>to</sup>.  
 p. 633.

*Newtoni* Optic. Qu. 23. p. 322.

*Molineux* in *Miscell. Curios.* Vol. II. p. 300.

— Philos. Transf. N°. 181,

— *Lowthorp's Abridg.* Vol. I. p. 535.

*Clarkii* Not. ad *Rob. Phys.* P. i. c. 22. § 9, 17.

*Rowning's Comp. Syst.* P. ii. Diff. 8.

*Helsham's Lect.* in *N. Ph. Lect.* i. p. 14.

## NEG.

[*Cartesiani*, & intestino partium motui, unde  
 secundum *ipso*s oritur fluiditas, tribuunt.

*Rohaulti* Phys. P. i. c. 22. § 15, seqq.

Vid. infra Cap. 6. Qu. 1.]

6. UTR. *Corpusculorum Innatatio in menstruis specificè levioribus solvatur ab attractione?*

Conf. Auctores supra citatos.

7. UTR. *Fermentatio in menstruis solvatur a legibus attractionis & repulsionis?*

A F F.

*Freind* Prælect. Chym. L. v. p. 60.

*Boyle's Works* abr. by *Shaw*, Vol. III. p. 213.

*Newtoni Opt.* Qu. ult. p. 339.

*Clare's Motion of Fluids*, p. 268.

Vid. supra Qu. 5.

8. UTR. *Crystallizatio solvatur a legibus attractionis?*

A F F.

*Freind* Præl. Chymicæ, L. viii.

*Boyle's Works* abridg'd by *Shaw*, Vol. I. p. 46, 243. Vol. III, p. 133.

9. UTR. *Distillatio, sive Evaporatio, solvatur a specificæ gravitatis ratione?*

A F F.

*Freind* Præl. Chym. L. iii. p. 31.

*Ode Philos. Nat.* P. II, p. 157. Probl. 6.

*Hamelii Histor. Acad. Reg.* p. 437.

*Nieuwentyt's Relig. Phil. Cont.* 19. S. 17, 18.

*Boerhaave Elem. Chem.* Tom. I. p. 479.

*Boyle's Works* abr. by *Shaw*, Vol. I. p. 46, 386.

Vol. III. p. 278.

10. UTR. *Animalium & vegetabilium Petrifactione solvatur ex Legibus Naturæ?*

## A F F.

*Varen.* Geogr. Gen. L. i. c. 17. Prop. 17.

*Bacon's Works*, abridg'd by *Shaw*, Vol. III.

p. 561, 571.

*Lowthorp's Abr. of Ph. Tr.* V. II. p. 321, 325.

*Sen. Nat. Qu.* L. iii. c. 20.

*Hook's Posth. Works*, p. 281.

*Robaulti Phys.* P. iii. c. 10. § 13.

*Plin. Nat. Hist.* L. ii. c. 103.

*Gassendi Opera*, Tom. II. L. iii. c. 3. p. 119.

*Chambers's Dict.* ad vocem PETRIFICATION.

11. UTR. *Aqua in terram, & vicissim terra in aquam possit converti?*

## A F F.

*Boerhaave Elem. Chem.* Vol. I. p. 627.

*Boyle's Works* abridg'd by *Shaw*, Vol. I. p. 265,

269, Vol. III. p. 417—421.



## CAPUT IV.

## QUÆSTIONES METEOROLOGICÆ.

1. **U**TRUM *Generalis Ventorum causa solvatur ex rotatione telluris circa axem?*

## AFF.

*Cartes. de Meteor. c. 4. § 2.*

*Fr. Bayle Instit. Phys. Tom. II. p. 508.*

*Sturmii Mod. Phys. Part. II. S. i. c. 6. § 5.*

*Marriotte de motu aëris, p. 50*

*Le Grand Instit. Phil. P. vi. c. 14.*

## NEG.

Philosophi recentiores, qui rarefactioni a Solis calore attribuunt.

*Varenii Geogr. Gen. L. i. c. 20. Prop. 10.*

*Ode Philos. Nat. Princ. P. II. p. 161.*

*Gravesande Phys. Elem. L. iii. c. 4.*

*Wolfii Elem. Math. Univ. Tom. II. p. 660.*

*Buddei Philos. Theor. P. iii. c. 3. § 22.*

*Rowning's Comp. Syst. P. ii. Diff. 5.*

*Clare's Motion of Fluids, p. 248.*

2. **U**TR. *Ventorum intra Tropicos spirantium causa vera affignetur ab HALLEIO?*

## AFF.

## A F F.

*Hypothesin Halleii* vid. in *Miscellan. Curios.*  
Vol. I. p. 61.

*Conf. Garden* in *Philos. Transact.* N°. 175.

*Lister* in *Philos. Trans.* N°. 156. or,

— *Lowthorp's Abr.* Vol. II. p. 129.

*Baconi Historia ventorum*; or

*Shaw's Abridgment*, Vol. III. p. 441—500.

*Varen. Geogr. Gen.* L. i. c. 21.

*Marriotte's Hydrostat.* p. 25.

*Rowning's Comp. System*, loc. citat.

*Hadley* in *Phil. Trans.* Vol. XXXIX. N°. 437.

*Chambers's Diction.* ad vocem **WIND**.

## N E G.

*Robaulti Phys.* P. iii. c. 11.

*Acoftæ Hist. Ind. Occid.* L. iii. c. 4.

*Clerici Phys.* L. iii. c. 5.

*Franc. Bayle Inst. Phys.* Tom. II. p. 491, 495.

*Becmanni Hist. Orbis Terr.* p. 17.

*Kircheri Mund. subterr.* Tom. I. L. iv. p. 194.

*Riccioli Almag. Nov.* L. ix. p. 328.

*Sturmii Phys. Mod.* P. iii. S. 1. c. 6.

3. **U T R.** *Auroræ Borealis Phænomena ad-  
buc solvantur?*

## A F F.

*Halleius solutionem reddit ex materiâ quâdam  
subtili & lucidâ a terrâ ad superiores atmosphæ-  
ræ partes erectâ.*

Philos. Transf. N°. 310, 347, 376. or,  
*Jones's Abridgment*, Vol. IV. p. 135.  
*Conf. Regnault. Phil. Conv.* Vol. III. p. 139.  
*Hook's Post. Works*, p. 193.  
*Boyle's Works* abr. by *Shaw*, Vol. III. p. 61.  
*Whiston's Treat. of the Aurora Bor. of 1715-6.*  
*Martyn's Abridg.* Vol. VI. P. ii. p. 82—122.  
*Rowning's Comp. Syst.* P. ii. Diss. 7.  
*Clare's Motion of Fluids*, p. 284.  
*Smith's Optics*, B. i. art. 170.  
*Musschenbroek El. Physic.* C. 40. § 972, &c.

Nuper in publicum prodiit alia solutio petita  
 ex commixturâ Atmosphæræ solaris cum terrestri.

*Traite Physique & Historique de l'Aurore  
 Boreale*, par M. de *Mairan*.

Vid. *Philosoph. Transf.* Vol. XXXVIII. N°.  
 431. p. 243.

4. UTR. *Parheliorum, Paraselenarum, Halonum, & ejusmodi Meteoron Phænomena solvi possint?*

#### A F F.

*Newtoni Opt.* p. 147.

*Regnault's Phil. Conv.* Vol. II. p. 389.

*Ode Phil. Nat. Princ.* P. II. p. 169, 172.

*Cartes. de Meteoris*, c. 10. §. 1.

*Cartesium refellit Sturmius* in *Phys. Elect.*  
 Tom. II. p. 1339, 1356.

*Gassendi Epistola de Parheliis*, quæ extat in  
*Oper. Tom. II.* p. 91.

*Shaw's*

## M E T E O R O L O G I C A E. 61

*Shaw's Abridgment of Boyle*, Vol. I. p. 656.

Vol. III. p. 59.

*Clerici Phys. L. iii. c. 3.*

*Lowthorp's Abr. of Ph. Trans. Vol. II. p. 189.*

*Hugenii Opera Posth.*

*Hook's Post. Works*, p. 364.

*Smith's Opt. B. i. A. 167. B. ii. A. 513—597.*

*Musschenbroek El. Phys. C. 39. § 943, &c.*

*Chamb. Dict. ad voces HALO, PARHELUM.*

*Quæstiones de Iride vid. infra, C. 7. Qu. 45, 46.*

### 5. UTR. *Ignis fatuus sit Meteoron?*

#### A F F.

*Ode Philos. Nat. Princ. P. II. p. 185.*

*Le Grand Hist. Natur. P. iv. Art. 10. § 9.*

*Boyle's Works by Shaw*, Vol. II. p. 400.

*Newtoni Opt. Qu. 10.*

*Clare's Motion of Fluids*, p. 287.

*Martyn's Abr. of Ph. Tr. Vol. VI. P. ii. p. 147.*

### 6. UTR. *Tonitru & Fulgur oriantur ex fermentatione vaporum Sulphure & Nitro imbutorum?*

#### A F F.

*Newton. Optic. p. 376.*

*Hypothesin copiosè & accuratè exposuit*

*Wallius in Misc. Curios. Vol. II. p. 315.*

— *Phil. Trans. N°. 231. p. 655.*

— *Lowthorp's Abridg. Vol. II. p. 183.*

*Conf. Jones's Abr. of Tr. Vol. IV. P. ii. p. 126.*

*Boerhaave*

*Boerhaave* Elem. Chem. Vol. I. p. 477.

*Buddei* Philos. Theor.

*Hooke's* Post. Works, p. 59, 169, 424.

*Musschenbroek* El. Ph. 8vo. C. 40. § 995, seqq.

*Rowning's* Comp. Syst. P. ii. Diff. 7.

*Clare's* Motion of Fluids, p. 265—284.

*Hales's* Stat. Essays, Vol. II. p. 228.

*Harris's* Lexic. Vol. II. & *Chambers's* Diction.

ad voc. THUNDER.

### NEG.

Tonitrûs fragorem excitatum esse a nubibus in se invicem magno impetu ruentibus tradunt *Cartesiani*.

*Cartes.* Meteor. c. 7, 8.

*Robaulti* Phys. P. iii. c. 16.

*Clerici* Phys. L. iii. c. 4.

*Regnault's* Philos. Convers. Vol. III. p. 120.

*Frömondi* Meteor. L. ii. c. 3. Art. 10, 11.

*Mori* Enchir. Metaph. c. 23.

*Schotti* Phys. Cur. L. xi. c. 21. § 5.

*Le Grand* Phys. Institut. P. vi. c. 23.

*Chauvini* Lex. Phil. ad voc. TONITRU.

Veterum Philosophorum sententias exponunt

*Aristoteles* de Meteor. L. ii. c. 9.

*Seneca* in Nat. Qu. L. 2. c. 18, 20.

*Plutarchus* de Plac. Philos. L. iii. c. 3.

*Plinius* in Hist. Nat. L. ii. c. 43.

Varios & mirandos fulminis effectus tradunt

*Plutarch.* Sympof. L. iv. Qu. 2.

*Seneca* Qu. Nat. L. ii. c. 31.

*Plin.*

## M E T E O R O L O G I C A E. 63

*Plin.* Nat. Hist. L. ii. c. 31. & L. xxxv. c. 15.  
*Boyle's Works* abridg'd by *Shaw*, Vol. I. p. 88,  
421, 475. Vol. III. p. 32, 41, 70.  
*Lowthorp's Abr.* of Ph. Tr. V. II. p. 169, seqq.  
*Motte's Abridg.* Vol. II. P. iii. p. 150, seqq.  
*Martyn's Abridg.* Vol. VI. P. ii. p. 70, seqq.  
*Hartnacci Admir. Phys.* p. 316.  
*Ode Philos. Natur. Princ.* P. II. p. 189.  
*Gassendi Op.* Tom. II. L. ii. c. 4. p. 85.  
*Hales's Stat.* Vol. I. p. 258.

### 7. UTR. *Pluviae, nivis & grandinis causæ generales explicari possint?*

#### A F F.

*Varenii Geogr. Gen.* L. i. c. 19.  
*Boerhaave Chem. El.* Tom. I. p. 473, 476.  
*Lowthorp's Abridg.* Vol. II. p. 146, 148, 441.  
*Ode Philos. Nat. Princ.* P. II. p. 178.  
*Wallis's Letter in Miscell. Curios.* Vol. II.  
*Meteorological Essays*, Ch. 2. p. 39.  
*Philosophia Burgundia*, Tom. II. p. 1051.  
*Cartes. Meteor.* c. 6.  
*Robaulti Phys.* P. iii. c. 14.  
*Fr. Bayle Instit. Phys.* Tom. II. p. 473.  
*Sturm. Phys. Elect.* Tom. II. p. 1235.  
*Boyle's Exper. on Cold*; or,  
*Shaw's Abridgment*, Vol. I. p. 696.  
*Gassendi Op.* Tom. II. L. ii. c. 2, 3.  
*Derham's Phys. Theol.* B. i. c. 3. Note a.  
*Clare's Motion of Fluids*, p. 300.  
*Chambers's Dict. ad voc.* RAIN, SNOW, HAIL.

[8. UTR. *Ascensus & suspensio Vaporum adhuc solvantur?*

## AFF.

*Cartesii Meteor.* c. 2.

*Robaulti Physic.* P. iii. c. 3. § 9.

*Clerici Phys.* L. iii. c. 2.

*Nieuwentyt's R. Ph.* Vol. II. Cont. 19. § 11, &c.

*Derbam's Phys.* Theol. B. ii. c. 5. Note c.

*Musschenbroek Elem. Ph.* 8vo. C. 38. § 871.

*Worster's Princ. of Phil.* p. 161.

*Halley* in *Phil. Trans.* N°. 192. or

— *Lowthorp's Abridg.* Vol. II. p. 126.

*Desaguliers* in *Ph. Trans.* N°. 407. or,

— *Martyn's Abridg.* Vol. VI. P. ii. p. 61.

V. etiam auctor. cit. in *Qu. præc.* & C. 3. *Qu. 9.*

## NEG.

*Rowning's Comp. Syst.* P. ii. Diff. 6.

*Conf. Clare's Motion of Fluids*, p. 294.

9. UTR. *Ros sit Vapor ex Atmosphærâ in Terram* deciduus?

## AFF.

*Robaulti Phys.* P. iii. c. 13. § 9.

*Clerici Physica*, L. iii. c. 2.

*Spectacle de la Nat.* Vol. IV. Dial. 5. sub fin.

*Chambers's Dictionary*, ad vocem DEW.

## NEG.

*Gersten* in *Tentam. System. novi.*

— *Ph. Tr.* Vol. XXXVIII. N°. 427. p. 50.

*Musschenbroek El. Phys.* 8vo. C. 39. § 892.]

## CAPUT



## C A P U T V.

## Q U E S T I O N E S M E C H A N I C A E.

1. U T R U M *detur Motus in rerum naturâ?*

*Negarunt* quidam e veteribus, ut *Diodorus* & *Zeno*, quorum argumenta, non sine multâ subtilitate & ornatu, proposuit

*Bayle* Histor. & Critic. Dictionary, Art. *ZENO*.

Eadem seriò refellunt

*Keill* Introd. ad Physic. L. vi. p. 61.

— Exam. of *Burnet's* Theory, p. 2.

*Ode* Prin. Phil. Nat. P. I. c. 6. p. 83.

*Cartes.* Epist. P. i. Ep. 118.

*Sturmii* Phys. Elect. Tom. I. S. 3. c. 16.

*Gassendi* Op. L. v. c. 1.

*Musschenbroek* El. Phys. 8vo. C. iv. § 82.

2. U T R. *Motus sit æternus?*

## A F F.

*Aristot.* de Cœlo, L. i. c. 10. & Ph. L. viii. c. 1.

*Hobbes* Physic. c. 26.

*Spinoz.* Op. Post. P. i. Prop. 3. & P. ii. Prop. 2, &c 13. Lemma 3.

*Ocellus Lucan.* Cap. I.

K

*Blount's*

*Blount's Orac. of Reason*, p. 210.

*Toland*, Letter iii.

N E G.

*Bentley's Boyle's Lectures*, Serm. vi.

*Clarke* on the Attrib. Prop. iii. p. 25, 31.

*Ode Prin. Phil. Nat. P. I. c. 6.* p. 84.

*Cheyne's Philos. Princ. of Relig. P. i. Ch. 3.* § 4.

*Burgund Philos. Tom. II.* p. 788.

*Cudworth's Intellect. System*, p. 843.

*Collier's Impart. Enquiry*, c. 7.

*Seth Ward* on the Being and Attrib. p. 25.

*Law's Notes to King's Or. of Evil*, Note, 3,  
5. R. b, d.

Vid. *supra*, Cap. 2. Qu. 2.

3. UTR. *Deus solus fit auctor & conservator  
motus?*

A F F.

*Cartesius*, & qui eum sequuntur.

*Ode Prin. Nat. Philos. P. I. c. 6.* p. 85.

*Cartes. Princ. P. ii.* § 36.

N E G.

*Aristoteles* corpus motum ab aëre retro pelli  
existimat; & recentiores quidam ad aëris elate-  
rium confugiunt.

*De Chales de Elater. Aëris.*

Vim impressam manere docent melioris nota  
Philosophi.

*Newtoni Princ. Math. L. i. S. i.*

*Philosoph. Burgund. Tom. II.* p. 792.

*Chambers's Diction.* ad vocem MOTION.

*Keill Introd. ad Phys. Lect. xi, xii.*

Alii que

Aliique qui leges motūs *Newtonianas* exponunt. Vid. infra, Qu. 8.

4. UTR. *Distinguendus fit motus absolutus a relativō?*

A F F.

*Newtoni* Princ. Math. p. 6.

*Keill* Introd. ad Phys. Lect. vii.

*Gravesande* Elem. Phys. L. i. c. 6.

Sunt, qui negant distinctionem admitti debere.

*Law on the Ideas of Space, Time, &c.* c. 1.

p. 71.

*Chauvin*. Lexic. Philos. ad voc. *Motus localis*.

*Leibnitz* 5th Letter to *Clarke*, p. 205.

5. UTR. *Quies sit quiddam positivum?*

N E G.

*Musschenbroek* El. Phys. 8vo. C. iv. § 77.

Vid. supra, Cap. i. Qu. 32.

6. UTR. *Detur absoluta Quies in rerum naturā?*

Vid. supra, Cap. i. Qu. 33.

7. UTR. *Eadem semper fit motūs quantitas in rerum naturā?*

A F F.

*Cartes.* Princ. P. ii § 36.

*Fr. Bayle* Philos. Instit. Tom. I. p. 104.

*Andalæ* Exercit. Acad. P. ii. Ex. 12. § 14, 21.

## NEG.

*Newtoni* Optic. Qu. ult. p. 341.  
*Keill* Introd. ad Phys. L. xiii.  
*Ode* Prin. Phil. Nat. P. I. c. 6. p. 107.  
*Hugenii* Op. Posth. p. 378.  
*Philos. Burgund.* Tom. II. p. 794.  
*Senguerd.* Philos. Nat. P. i. c. 5. § 20.  
*Acta Eruditorum Lipsiens.* A. D. 1686. p. 161.  
*Gravesande* El. Ph. L. i. c. 21. Exper. 12, 13.  
*Enq. into the Nat. of the Hum. Soul.* Vol. I.  
 Sect. ii. N°. 3.  
*Clark.* Not. Rob. Phys. P. i. c. 10. § 13.  
*Chambers's* Diction. ad vocem MOTION.

8. UTR. *Admittendæ* sunt **NEWTONI** *tres leges Naturæ?*

## APP.

*Newtoni* Princ. Math. L. i. S. 1.  
*Keill* Introd. ad Phys. L. xi, xii.  
*Gravesande* Elem. Math. L. i. c. 16.  
*Domckii* Philos. Newton. Tom. II. p. 15.  
*Rowning's* Com. Syst. of N. Phil. P. i. c. 4.  
*Desaguliers's* Exper. Philos. Vol. I. Lect. 5.  
 p. 284.  
*Cheyne's* Phil. Princ. P. i. c. 1,  
*Worster's* Philos. p. 45.

## NEG.

*Green's* Princ. of Philos. B. ii. c. 1.  
*Diversas* prorsus naturæ leges instituit  
*Cartesius* Princ. P. ii. § 37. seqq.  
*Quas* aut inutiles aut fallas esse ostendit

*Philos.*

*Phil. Burg. Tom. II. p. 796.*

*Keill's Exam. of Burnet's Theory, p. 10.*

9. UTR. *Corpus viribus conjunctis diagonalem parallelogrammi eodem tempore describere debat, quo latera separatis?*

AFF.

*Newtoni Princip. Math. p. 14.*

*Domckii Philos. Newton. Tom. II. p. 16.*

*Heslham's Lect. in N. Phil. L. iv. p. 50. cum auctoribus supra laudatis.*

10. UTR. *Summa vel differentia motuum in corporibus non elasticis sibi mutuo impingentibus eadem maneat post impactum, quæ prius?*

AFF.

*Newtoni Princ. Math. p. 17.*

*Gravesande Elem. Math. L. i. c. 20.*

*Keill Phys. Lect. xiii.*

*Robaulti Phys. P. i. c. 11. § 6. Not.*

*Domckii Phil. Newton. Tom. II. p. 23.*

*Rowning's Comp. Syst. of N. Ph. P. i. c. 9.*

*Ode Princ. Philos. Nat. P. I. p. 103.*

*Marriette de la Percussion.*

*Sturmii Phys. Elect. Tom. I. p. 772, 780.*

*Whistonii Præl. Physico-Math. Lect. v.*

*Wolfii Elem. Mechan. c. 11.*

*Wallis Mechan. c. 11. p. 660. Ed. 4<sup>th</sup>.*

*Wren in Philos. Trans. N<sup>o</sup>. 43.*

— *Lowthorp's Abrid. Vol. I. p. 347.*

*Cartesii*

*Cartesii Princ. P. ii. § 40—53.*

— *Epist. P. i. p. 217.*

*Malebranche's Search after Truth, L. vi. c. 9.*

*Philos. Burgund. Tom. II. p. 810.*

*Hugenii Opusc. Post.*

*Helfsham's Lect. in N. Ph. L. iv. p. 58.*

*Chambers's Dict. ad vocem PERCUSSION.*

N E G.

*Green's Princ. of Philos. L. ii. c. 2.*

11. UTR. *Corporibus perfectè elasticis in se mutuò impingentibus eadem maneat motus quantitas ante & post impactum?*

Consulantur libri in novissimâ quæstione citati,

12. UTR. *Corporibus perfectè elasticis in se mutuò impingentibus angulus reflectionis fit angulo incidentiæ semper æqualis?*

A F F.

*Ode Princ. Phil. Nat. P. I. p. 87.*

*Keill Introd. ad Phys. Lect. xiv. cæterique citati ad Qu. 10.*

13. UTR. *Corporum gravium descensus mechanicè explicari possit?*

A F F.

*Globulorum cœlestium pressuræ attribuit*

*Cartesius Princ. P. iv. § 20, seqq.*

*Conf. Robaulti Phys. P. ii. c. 28. § 8.*

Le

*Le Grand* Instit. Philos. P. iv. c. 9.

*Andala*, P. iv. Exerc. 2. § 15.

*Clerici* Phys. L. v. c. 15.

*Sturm*. Ep. ad *H. Mor.* in Coll. Cur. p. 30.

*Acta Erud.* *Lipsiens.* A. D. 1689. p. 183.

*Philos. Burg.* Tom. II. p. 815.

*Ibid.* diversæ de hâc re Hypotheses ad examen revocantur.

Vid. etiam *Lowthorp's Abr. of Ph. Tr.* Vol. I. p. 560.

Ab effluviis terræ magneticis corpora deorsum trahi vult

*Gassendus* Op. Tom. I. L. vi. c. 5.

### N E G.

*Newtoni* Princ. L. iii. Prop. 4—8.

*Clarkii* Not. ad *Robault*. Phys. P. ii. c. 28. § 13.

*Keill* Præfat. ad Phys.

*Gravesande* Elem. Phys. L. iv. c. 11.

*Bülfinger*. de Direct. Corporum gravium in Vortice Sphærico. in Com. Acad. *Petropol.* Tom. I. p. 245.

*D. Bernoulli*. *Ibid.* Tom. II. p. 318.

*Musschenbroek* El. Phys. 8vo. § 197.

Et *Cart.* & *Newt.* Hypotheses breviter exponit

*Ode* Princ. Philos. Nat. P. I. p. 93.

Vid. supra, Cap. 1. Qu. 25.

14. UTR. Corporum vi gravitatis descendentiū spatia descripta sint, ut quadrata velocitatum?

## AFF.

*Galilæus* in *Syst. Cosm. Dial.* 2. p. 148, 163.  
 —— *de motu locali*, *Dial.* 3. p. 156.  
*Hugen.* *Op. Tom. L.* p. 55.  
*Riccioli* *Almag.* *Nov. Tom. I. L. ii. c. 21.*  
*De Chales* *Carlus Math.* *Tom. I.* p. 465—480.  
*Fr. de Lanis* *Mag. Nat. & Art.* *Tom. I. Tract.*  
 iii. *L. i. c. 1, 3.*  
*Whiston* *Præl. Physico-Math. Prælect.* ix.  
*Clarkii* *Not. ad Robault.* *P. ii. c. 28.*  
*Gravesande* *Elem. Phys.* *L. i. c. 17.*  
*Wolfii* *Elem. Math.* *Tom. I.* p. 558.  
*Keill* *Physic. Lect.* xi.  
*Ode* *Princ. Philos. Nat.* *P. I.* p. 93.  
*Rowning's* *Comp. Syft. of Nat. Ph.* *P. i. c. 5.*  
*Desaguliers's* *Exper. Phil.* *Vol. I.* p. 317, 331,  
 369, 457.  
*Wallis* *Mechan.* *P. iii. c. 10.* p. 648.  
*Pemberton's* *View*, p. 56.  
*Worster's* *Nat. Philos.* p. 58.  
*Cotesii* *Op. Miscell.* p. 76.  
*Miscell. Cur.* *Vol. I.* p. 304.  
*Clare's* *Motion of Fluids*, p. 90.  
*Halley* in *Lowthorp's Abrid.* *Vol. I.* p. 560.  
*Helsham's* *Lect. in N. Ph.* *L. ii.*  
*Chambers's* *Diction.* ad vocem DESCENT.

15. UTR. *Corporis per planum inclinatum dependentis diminuatur gravitas in ratione inclinationis plani?*

Conf. Auctores supra citatos.

16. UTR. *Omnia corpora, seposita medii resistentiâ, descendere debeant æquivelocia?*

A F F.

*Newton.* Princ. in Schol. generali, p. 527.

*Gravesande* Phys. El. Math. L. i. c. 9.

*Musschenbroek* El. Phys. 8vo. C. 7. § 172.

*Derham's Physico-Theol.* B. i. c. 5. Note a.

N E G.

*Digby* of the Nat. of Bodies, P. i. c. 10. p. 101.

17. UTR. *Corporum gravium cadere incipientium velocitas fit infinite parva?*

A F F.

*Galilæus* de motu locali, p. 143.

*Marriotte* de la Percussion, p. 273—289.

*Institutions de Physique*, 1741. C. 13.

*Quibus adjungas auctores laudatos in Qu.* 13.

18. UTR. *Vibrationes penduli in Cycloide moti sint isochronæ?*

A F F.

*Newtoni* Princip. Math. L. i. Prop. 50—53.

L. ii. Sect. 6.

*Whiston* Præl. Physico-Math. Lect. 10. p. 100.

*Wallis* Opera, Vol. I. p. 533.

*Domckii* Philos. *Newton.* Tom. II. p. 42.

*De Chales* Cursus Mathem. Tom. I. p. 508.

*Cotesii* Op. Miscell. p. 80.

*Hugenii* Horol. Oscillat. p. 140.

L

*Gravesande*

*Gravesande* Elem. Phys. L. i. c. 19.

*Wolfii* El. Math. Univ. Tom. I. p. 596, 602.

*Fr. de Lan.* Mag. Nat. & Art. T. I. p. 337, 393.

*Rowning's* Comp. Syst. P. i. c. 6.

*Pemberton's* View, B. i. c. 2.

*Worster's* Nat. Philos. p. 78.

*Desaguliers's* Exp. Phil. Vol. I. p. 229—331,  
369—375.

*Keill* Introd. ad Phys. Lect. xv.

*Helfham's* Lect. in N. Phil. L. x. p. 162.

*Lowthorp's* Abr. of Ph. Trans. Vol. I. p. 550.

*Harris & Chambers* ad voc. PENDULUM.

19. UTR. *Tempora vibrationum pendulorum longitudine æqualium in diversis telluris latitudinibus diversa esse debeant?*

A F F.

*Newtoni* Princ. L. iii. Prop. 20.

*Gravesande* Elem. Phys. L. i. c. 19.

Phil. Trans. Vol. XXXVIII. N°. 432. p. 302.

— Vol. XXXIX. N°. 438. p. 98.

*Musschenbroek* Elem. Phys. 8vo. C. 7. § 182.

C. 12. § 304.

*Helfham's* Lect. in N. Phil. L. ii. p. 30.

Addantur Libri supra citati.

20. UTR. *Projectilia in motibus suis, seposita medii resistentia, moveantur in Parabolis?*

A F F.

*Galilæi* System. Cosmic. p. 113.

— Mechan. p. 214—226.

*Newtoni*

*Newtoni* Princ. L. ii. Prop. 10. p. 256.

*Pemberton's* View, B. i. c. 2. p. 101.

*Cotesii* Op. Miscell. p. 86.

*Keill* Introd. ad Phys. Lect. xvi.

*Rowning's* Comp. Syst. P. i. c. 7.

*Gravesande* Elem. Phys. L. i. c. 24.

*Desaguliers's* Exp. Phil. Vol. I. p. 292—300.

*Whiston* Præl. Physico-Math. Lect. xi.

*Domckii* Philos. *Newton*. Tom. II. p. 41.

*Helfham's* Lect. in Nat. Phil. L. xi. p. 177.

*Wallisi* Mechanica, P. iii. c. 10. p. 658.

*Wolfii* El. Mech. C. 11. Ed. Gen. 1733.

*Musschenbroek* El. Phys. 8vo. C. 13.

*Harris & Chambers* ad vocem PROJECTILE.

21. UTR. *Vis potentiae mechanicae augeatur in ratione auctæ velocitatis?*

### A F F.

Quotquot sunt, qui de viribus Mechanicis scripsérunt.

*Wallisi* Mechanica.

*Wilkins's* Mathematical Magick.

*Clarkius* in Not. ad *Robault*. P. i. c. 14.

*Robault's* Treatise of Mechan. eng. by *Watts*.

*Wolfii* Elem. Mathes. Univ. Tom. I. Elem.

Mech. c. 13.

*Fr. de Lanis*, Tom. I. Tract. 2. L. i. c. 3.

*Keill* Introd. ad Physic. Lect. x.

*Gravesande* Elem. Phys. L. i. c. 10—15.

*Ode* Princ. Natur. Philos. P. I. c. 7.

*Rowning's* Comp. Syst. P. i. c. 10.

*Worster's* Princ. of Nat. Philos. p. 31—44.

*Wells's* Mechanicks.

*Motte's* Treatise on the Mechanical Powers.

*Ditton's* Mechanicks.

*Varignon* Nouvelle Mechanique.

*Desaguliers's* Course of Exper. Philos. Vol. I.

*Whiston's* Præl. Physico-Math. Lect. vi.

*Mandey & Maxon's* Mech. Powers, B. i. Pr. 4.

*Harris & Chambers* ad voc. MECHANICKS.

22. UTR. *Vis ad Cuneum intrudendum requifita fit ad reſiſtentiam, in ratione baſis ad ſumma laterum?*

A F F.

*Clarkii* Not. ad *Robaulti* Phys. P. i. c. 14. § 9.

*Varignon* Nouv. Mech. Vol. II. S. 8. p. 149.

*Ode* Princ. Philos. Nat. P. I. p. 143.

*Rowning's* Comp. Syst. P. i. c. 10.

*Motte's* Mech. Powers, 2d Ed. p. 138.

*Helfham's* Lect. in N. Phil. L. vii. p. 110.

[Hanc rationem in ligno findendo admittit

*Gravesande* El. Phys. L. i. c. 13. Schol. 1.]

N E G.

Sunt qui volunt vires esse, ut ſemibasis ad perpendicularem altitudinem; quæ ratio in quibusdam circumſtantiis facile admitti poſſit.

*Desaguliers's* Exp. Philos. Vol. I. p. 107, 112.

*Robault's* Mechanicks, p. 111.

*Sturm, Coll. Cur.* P. i. p. 71.

Alii

Alii minus justè ad æquilibrium restituendum requirunt, ut potentia sit ad resistentiam in ratione basis ad perpendicularē altitudinem.

Wallis Mechan. P. iii. c. 12. p. 683.

Keill Introd. ad Physic. Lect. x.

Gravesande Ph. Newt. Inst. L. i. c. 10. N° 139.

Worster's Nat. Philos. p. 43.

Wolfii Elem. Mech. c. 13. Theor. 125. p. 666.

Mandey & Moxon's Mech. Powers, B. vi. Pr. i.

Wells's Mechanicks, C. 7.

Whiston's Præl. Phys. Lect. vi. p. 64.

Chambers's Dictionary, ad vocem WEDGE.

Singulorum Hypotheses accurate expositas  
vid in

Rowning's Comp. Syst. P. i. c. 10.

23. UTR. *In instrumentis mechanicis attritus  
sit in ratione pressuræ & superficie?*

A F F.

Desaguliers's Course of Exper. Philos. Vol. I.  
p. 184. & alibi saepè.

Amontons, *De la Hire*, Parent in Mémoires  
de l'Acad.

Varignon in Nouvelle Mechanique.

Wolfii El. Mech. C. 17. Edit. Gen. 1733.

Helsham's Lect. in N. Phil. L. ix. p. 129.

Chambers's Dict. ad vocem FRICTION\*.

\* [Accuratus forsitan haec Quæstio institui potest hoc modo:  
UTR. *Attritus corporum, datis partium se mutua atterentium  
scabritie & velocitate, sit semper in ratione pressuræ?*

Aff. Desaguliers, Amontons, *De la Hire*, Parent.

Neg. Musschenbroek Elem. Phys. 8vo. C. 9.

Chambers loc. citat.]

Metho-

[Methodum examinandi frictiones corporum solidorum exponit  
*Bülfinger* in *Com. Acad. Petr.* T. II. p. 403.]

24. UTR. *Momenta corporum sibi invicem impingentium sint in ratione ponderum in celeritates ductorum?*

## AFF.

Omnes Philosophi nostrates.

*Newtoni* Princ. Math. P. i. Def. 2.

*Rowning's* Comp. Syst. P. ii. c. i. p. 24. Note.

*Hook's* Posth. Works, p. 16.

Letters betw. *Clarke* and *Leibn.* p. 327. Note.

Ph. Tr. N°. 371, 375, 376, 396, 343, 401. or,  
*Martyn's* Abridg. Vol. VI. P. i. p. 276—296.

Phil. Trans. Vol. XXXVIII. N°. 429. p. 143.

*Desaguliers's* Exp. Phil. V. I. p. 43, 327, 393.

## NEG.

Alii momenta esse contendunt in ratione ponderum in quadrata velocitatum ductorum.

*Gravesande* Phys. El. Math. L. i. c. 22.

Suppl. Phys. N°. 251.

*Acta Eruditor.* Lipsiens. A. D. 1686. p. 162.

1690. p. 234. 1691. p. 439. 1695. p. 153.

*Musschenbroek* Elem. Ph. 8vo. C. 6.

*Herman.* in *Com. Acad. Petrop.* T. I. p. 1. qui  
*Clarkii* Objectiones ad examen revocat.

Vid. etiam, *Ibid.* p. 43, 217, 231.

*Polenus de Castellis*, p. 56.

*Wolfii* El. Mech. C. 7. Th. 49. Ed. Gen. 1733.

*Institutions de Physique*, 1741. C. 21.

[25. UTR. *Vires corporum mobilium in mortuas, sive pressiones, & vivas seu insitas distingui debeant?*

*Affirmant qui in Qu. præc. negant; & vicissim.]*

26. UTR. *Instrumenta mechanica vim potentiae revera augere possint? Sive,*

*UTR. Motus perpetuus fit possibilis?*

### N E G.

*De Chales Cursus Math. Tom. II. p. 185, 231.*

*Sturmii Auctarium, p. 79.*

*Wilkins Mathemat. Magick, B. ii. c. 9.*

*Robaulti Phys. P. i. c. 22. § 86.*

*Cheyne's Philos. Princ. P. i. c. 1. § 14.*

*Fr. de Lanis Mag. Nat. & Art. T. I. P. iv. L. 3.*

*Ode Phil. Nat. Princ. P. I. p. 100.*

*Keill Introd. ad Phys. L. x. Schol.*

*Lowthorp's Abr. of Ph. Tr. V. I. p. 592.*

*Phil. Trans. N°. 369. or,*

*Martyn's Abridg. Vol. VI. P. i. p. 323. or,*

*Desaguliers's Exp. Philos. Vol. I. p. 175.*

*Rowning's Comp. Syst. P. i. c. 10. § 21.*

*Harris & Chambers ad vocem PERPETUAL MOTION.*

[*Schotti Mechan. Hydr. p. 332. apud quem videoas descriptionem Machinarum Hydraulicarum motum perpetuum æmulantium.*

### A F F.

*Scheiner Disquisit. Math. N°. 15. Conf. 4.*

*Ant. Maria de Reyta in oculo Enoch & Eliae.]*



## CAPUT VI.

## QUÆSTIONES HYDROSTATICÆ.

I. *De Fluidis in genere.*

• **U**TRUM Fluiditas oriatur ex intestino partium mota?

AFF.

*Cartesii Princ. Phil. P. ii. § 23, 54.*

*Robaulti Phys. P. i. c. 22. § 9.*

*Clerici Phys. L. v. c. 15.*

*Regnault. Phil. Conv. Vol. I. p. 262.*

*Ode Phil. Nat. Princ. P. I. p. 66. & P. II. p. 52.*

*Le Grand Phil. Instit. P. vi. c. 11.*

*Fr. Bayle Phys. Inst. Tom. I. Disp. 8. § 43.*

*Fr. de Lanis Mag. Nat. & Art. Tom. II. L. iv. c. 2. Prop. 16.*

*Philos. Burgund. Tom. II. p. 892.*

NEG.

Qui Newtonianam Philosophiam amplectuntur, fluiditatem in eo constituunt quod partes fluidi sint exiguae, levæ & sphæricæ, adeo ut impressioni cuiusunque inæquali cedant, & cedendo facillimè inter se moveantur.

CAPUT

Gaffendi

*Gassendi* Op. Vol. I. p. 402.

*Newtoni* Princ. Math. L. ii. Prop. 19. p. 282.

— Optic. p. 335.

*Hook's* Post. Works, p. 191.

*Cheyne's* Philos. Princ. P. i. c. 2. § 26.

*Gravesande* Elem. Math. L. ii. c. 1.

*Musschenbroek* Phys. Elem. 8vo. C. 20. § 418.

*Worster's* Princ. of Philos. p. 111.

*Rowning's* Com. Syst. of Nat. Phi. P. ii. c. 1. § 2.

*Sturmii* Col. Curios. P. ii. p. 75.

*Ditton's* New Law of Fluids.

*Gulielmini* della Natura di fiumi.

*Clare's* Motion of Fluids, p. 7.

*Whiston.* Prael. Ph. Math. Prop. 56. Cor. 2.

*Chambers's* Diction. ad vocem **FLUID.**

[Intestinum tamen partium motum, tanquam  
necessarium quiddam ad fluidum constituendum  
requirere videtur

*Boyle* in *Shaw's* Abr. V. I. p. 311. V. II. 268.]

2. UTR. *Fluida consistant ex particulis solidis?*

### AFF.

*Helfham's* Lect. in Nat. Phil. L. xii. p. 194.

*Newtoni* Optic. Qu. 31.

*Keill* Epist. ad *Gul. Cockburn*, Theor. 3. In  
Oper. 4to, p. 624.

Adjungas auctores supra citatos.

### NEG.

*Hobbes de Nat. Aëris*, p. 10.

M

UTR.

3. UTR. *Fluida distingui debeant ab humidiis [& liquidis?]*

## AFF.

*Marriotte's Hydrostat.* by *Desaguliers*, p. 2.

*Sturmii Phylic. Elect.* Tom. I. p. 311.

*Boyle's Hist. of Fluidity*, P. i. S. 19. or,

*Shaw's Abridgment*, Vol. I. p. 313.

## NEG.

*Rowning's Comp. Syst.* P. ii. c. 1. p. 2. Note.

*Musschenbroek Epit. El. Ph.* P. ii. c. 1. § 596.

*Gassendi Op.* Tom. I. p. 404.

*Ode Phil. Nat. Princ.* P. I. p. 68.

4. UTR. *Fluida gravitent in propriis locis?*  
Sive,

UTR. *Fluida ejusdem generis in se invicem & in fluida diversi generis gravitent?*

## AFF.

*Boyle in Paradox. Hydrostat.* Par. i, vi. or,

*Shaw's Abridg.* Vol. II. p. 287, 306, 348, &c.

*Wallis Opera Math.* Vol. I. p. 1032.

*Ode Prin. Philos. Nat.* P. I. p. 151. P. II. p. 56.

*Newtoni Princ. Math.* L. ii. Pr. 36.

*Gravesande Elem. Phys.* L. ii. c. 2.

*Musschenbroek Elem. Phys.* 8vo. C. 21.

*Worster's Prin. of Philos.* p. 112.

*Philosophia Burgundia*, Tom. II. p. 831.

*Boerhaave Elem. Chem.* Vol. I. p. 434.

Clarkii

FLUIDIS IN GENERE. 83

*Clarkii* Not. ad *Robault*. Phys. P. i. c. 16. § 8.

*Rowning's Comp.* Syft. P ii. c. 1. § 8.

*Switzer's Univ.* Syft. of Water, B. ii. c. 12.

*Sinclair's Hydrost.* *passim*.

*Helsham's Lect.* in Nat. Phil. L. xii.

*Cotes's Hydrostat. Lectures*, L. i. iv.

*Chambers's Dict.* ad voc. FLUID.

N E G.

*Cartesii* Princ. Phil. P. ii. § 56.

*Mori Enchir.* Metaph. P. i. c. 13.

*Le Grand Phil. Inst.* P. vi. c. 11.

*Schotti Mechan. Hydraul.* p. 70.

— Mag. Univ. T. III. L. v. p. 430.

*Hobbes* Elem. Phil. S. I. P. iv. c. 30. § 6. Cor.

5. UTR. *Fluidorum quiescentium superficies fit Horizonti parallela?*

A F F.

*Archimed.* de Insident. Humido, L. i. c. 2.

*Musschenbroek* Elem. Phys. 8vo. C. 21. § 436.

*Rowning's Comp. System*, P. ii. c. 1. § 7.

*Hermannii Phoronum*. L. 2. § 303.

*Robaulti Phys.* P. i. c. 16. § 2.

*Worster's Princ. of Nat. Philos.* p. 112.

6. UTR. *Fluida gravitent pro altitudine perpendiculari?*

Consulantur auctores supra citati.

7. UTR. *Fluida premant infernè sursum?*

M 2

Facile

Facile sequitur ex quæstione superiori; itaque adeas auctores eosdem.

8. UTR. *Fluidorum pressio lateralis æqualis sit pressioni eorundem perpendiculari?* Sive,

UTR. *Fluida premant ab omni parte æqualiter?*

A F F.

*Ode* Princ. Philos. Nat. P. I. p. 160.

*Gulielmini* della Natura de fiumi.

*Newtoni* Princ. L. ii. Prop. 19.

*Clark.* Not. ad Rob. Phys. P. i. c. 16. § 8.

*Nieuwentyt's Rel.* Phil. V. III. C. 26. § 25. &c.

Adjungas auctores supra citatos.

9. UTR. *Corpora in fluidis immersa tantam sui ponderis partem amittant, quanta æquali fluidorum moli æquiparatur?*

Consulantur auctores supra citati; speciatim vero,

*Ode* Princ. Philos. Nat. P. I. p. 163.

*Gravesande* Elem. Phys. L. ii, c. 3.

*Rowning's Comp.* Syst. P. ii. c. 2. § 6.

10. UTR. *Corpora in fluidis cadentia ponderis sui partem amittant?*

A F F.

*Michelottus de Separat.* fluidor. Præn. i. p. 44.

Philos. Trans. N° 351.

*Jones's Abridgment*, Vol. IV, P. ii. p. 10.

*Musschen-*

Musschenbroek Epit. Elem. Phys. P. i. § 199.  
P. ii. c. 10. \*

11. UTR. *Corpora in fluidis cadentia ad aequabilem velocitatem constanter accedant?*

A F P.

Newtoni Princ. Math. L. ii. Prop. 40.

Worster's Philos. p. 67.

Gravesande Phys. El. L. ii. c. 6. n. 348. Ed. 1.

Desaguliers's Exper. Phil. Vol. I. p. 343.

12. UTR. *Resistentia fluidorum oriatur ex vi inertiae & tenacitate fluidi?*

A F P.

Newtoni Optic Qu. 28.

Muys Elem. Phys. p. 593.

Clare's Motion of Fluids, p. 104.

\* Sententias auctorum spētius, n̄ fallor, exprimet, qui quæstionem hoc vel simili modo enuntiabit:

UTR. *Corpora in fluidis cadentia fundum ipsis subjectum minus premant, quam eadem corpora in ipsis fluidis suspensa?* Sive,

UTR. *Fluida fundum sibi subjectum minus premant, dum corpora in ipsis cadunt, quam dum eadem corpora in fluidis ipsis suspendorunt?*

Aff. Hist. de l'Acad. Royal, ann. 1711. p. 3.

Ramazzini Oper. p. 466.

Michelotti. de Sep. Fluidorum, Prænotat. 1. p. 44.

Regnault's Ph. Conv. Vol. 1. Conv. 22.

Neg. Philos. Transact. N° 351.

Jones's Abridg. Vol. IV. P. ii. p. 10.

Musschenbroek Epit. Elem. Phys. P. i. § 199.

In locis enim citatis disceptatur de diminutione gravitatis Atmosphærae propter vaporum pondus inter cadendum amissum.]

13. UTR.

13. UTR. *Resistentia fluidorum [ex vi inertiae] fit in quadrata ratione velocitatum?*

## AFF.

*Newtoni* Princ. L. ii. Prop. 4. Schol.

*Pemberton's View*, B. i. c. 4. p. 147.

*Huygens de la Pesanteur*, p. 169.

*Gravesande* Elem. Phys. L. ii. c. 11, 12. Ed. 2.

*Rowning's Comp. Syst.* P. ii. c. 4.

*Musschenbroek* Epit. El. Phys. P. ii. c. 10.

*Desaguliers's Exp. Philos.* Vol. I. p. 340, &c.

*Whiston*. Præl. Physico-Math. Pr. 62.

*Worster's Nat. Phil.* p. 66.

[*Experimenta circa hanc rem facta*, vid. in

*Newton*. Princ. L. ii. Prop. 40. Schol.

*Jones's Abrid. Phil. Transf.* V. IV. P. ii. p. 175.]

14. UTR. *Retardatio corporum in fluidis motorum fit [cæteris paribus] in ratione inversâ [corporum] densitatum & diametrorum?*

Conf. Auctores supra citati.

15. UTR. *Velocitas aquæ ex vase profluens fit in subduplicatâ ratione altitudinis aquæ?*

## AFF.

*Newton*. Princip. L. ii. Prop. 26.

*Gravesande* Elem. Phys. L. ii. c. 8.

*Rowning's Comp. Syst.* P. ii. c. 1. § 10, 11.

*Musschenbroek* El. Phys. 8vo. C. 22. § 445.

*Marriotte's*

*Marriotte's Hydrostat.* P. iii. Disc. 1, 2.  
*Gulielminus de Aquâ Fluenti,* L. ii. c. 1.  
*Wolfi Elem. Mathes. Univ. Tom. I.* p. 795.  
*De Chales Cursus Mathem. Tom. II.* p. 197.  
*Torricellius de Motu Projectil.* p. 196.  
*Polenus de Motu Aquæ,* L. 1. § 30.  
*Castellus de Motu Aquæ.*  
*Helsham's Lect. in N. Ph.* L. xiv. p. 218.  
*Whiston. Præl. Physico-Math. Prop. 63.*  
*Chambers's Dict. ad vocem FLUID.*

16. UTR. *Fluida, quorum diversa est gravitas specifica, vi æquali per foramina expressa in obices resistentes æquales edant effectus?*

A F F.

*Marriotte's Hydrostaticks,* p. 139.  
*Musschenbroek Epit. El. Ph. P. ii. c. 8.* § 720.

17. UTR. *Attritus & resistentia medii in causa sint, quare experimenta de fluidis profilientibus ipsi Theoriæ haud juste respondeant?*

A F F.

*Newtoni Princip. Phil. L. ii. Prop. 36, 40.*  
*Musschenbroek El. Phys. 8vo. C. 22.* § 455. C. 23. § 465.  
*Gravesande El. Phys. P. ii. c. 7. Ed. 2.*  
*Worster's Nat. Philos.* p. 122.

18. UTR. *Ascensus & suspensio liquorum in tubis capillaribus solvantur ab attractione annularis superficie superioris contiguae?*

Hujusce

Hujusc<sup>e</sup> Hypotheseōs inventio *Jurini* inge-  
nio attribuenda est.

Philos. Transact. N<sup>o</sup> 355. p. 739.

Jones's Abridg. Vol. IV. P. I. p. 423.

Rowning's Comp. Syst. P. ii. Dissert. 2.

Worster's Nat. Ph. p. 19.

Chambers's Dict. ad vo. CAPILLARY TUBES.

Musschenbroek Elem. Phys. 8vo. C. 18. § 381.

Cotes's Hydr. Lect. xi. & App. N<sup>o</sup> iii.

Helsham's Lect. in N. Phil. L. i.

Qui ante *Jurinum* florebant philosophi, hu-  
jusc<sup>e</sup> Phænomeni causam vel pressuræ aetheris vel  
attractioni totius concavæ superficiei adscribere  
solebant.

I. Pressuræ aetheris.

Bernoulli de Gravit. Ætheris.

Boyle's Physico-Mechan. Exper. ix.

Sturmii Coll. Curios. P. I. Tent. viii.

Hooke's Microg. Obs. 6.

Lewenhoek Continuat. Arcan. Nat. Epist. 131.

Sinclair de Gravit.

II. Attractioni totius concavæ superficiei.

Hauksbee's Physico-Mech. Exper. p. 98, 177.

Morgan's Phil. Princ. of Medicine, p. 88.

III. Nonnihil toti superficiei superiori at-  
tribuit

Musschenbroek Ph. Exper. de tubis capill. 4to.

IV. Omnes hasce causas conjunctas esse voluit

Regnault's Phil. Conv. Vol. I. p. 353.

Conf.

Conf. Memoires de l'Acad. A. D. 1714. p. 85, 86, 336, 339, 345. A. D. 1705. p. 245. A. D. 1714. p. 85. A. D. 1722. p. 336. A. D. 1724. p. 13, 101.

[*Varias præcipuorum Philosophorum Hypotheses recenset & ad examen revocat*

*Bülfinger* in Comm. Acad. Petrop. Tom. II. p. 233. cuius objectiones contra hypothesin suam solvit *Jurinus* in Disquis. ad Acad. transmissis, quas vid. *ibid.* Tom. III. p. 281, cum Notis *Bülfingeri*, qui tandem ipse *Jurino* suffragatur.]

Vid. supra, Cap. i. Qu. 21, 22.

19. UTR. *Aguae ascensus inter duo plana vitrea in forma Curvæ Hyperbolicae solvatur ab attractione?*

A F F.

*Ditton's New Law of Fluids.*

*Gravesande Phys.* El. L. i. c. 5. Schol.

*Quibus adjungas auctores supra citatos.*

20. UTR. *Pressio per fluidum propagari possit secundum rectas lineas [solus?]*

A F F.

*Cartes. Dioptr. c. i. § 3.*

*Le Grand Institut. Phil. P. v. c. 15. § 3.*

N E G.

*Newtoni Princ. L. ii, Prop. 41. p. 357.*

N

*Newtoni*

*Newtoni Optic. Qu. 28.*

*Whiston. Præl. Physico-Math. Prop. 65.*

II. *De A Q U A.*

21. UTR. *Detur aqua pura & elementaris?*

A F F.

*Boerhaave Elem. Chem. Vol. I. p. 627.*

*Musschenbroek Epit. El. Ph. P. ii. c. 1. § 610.*

N E G.

*Boyle de Orig. formarum, p. 259—273.*

— *Sceptical Chymist, P. ii.*

*Musschenbroek El. Ph. 8vo. C. 25. § 505.* qui prius affirmaverit loc. cit.

Vid. supra, Cap. 2. Qu. 24.

22. UTR. *Aqua in minores angustias compri-  
mi possit?*

N E G.

*Musschenbroek Elem. Phys. 8vo. C. 25. § 508.*

*Franc. de Lanis Mag. Nat. & Art. Tom. II.*

*L. v. c. 1.*

*Locke's Essay on Hum. Und. B. ii. c. 4. § 4.*

*Clare's Motion of Fluids, p. 10.*

A M B I G.

*Boyle's Hydrostat. Paradox. or,*

*Shaw's Abr. Vol. I. p. 628. Vol. II. p. 290.*

*Ode Phil. Nat. Princ. P. II. p. 53.*

*Verulamii*

*Verulamii* Nov. Organ. L. ii. n. 45. p. 390.

*Shaw's Ab. of Bacon's Works*, Vol. III. p. 56.

*Schotti Mechan. Hydr.* P. ii. Clas. 2. p. 294.

## AFF.

*Rowning's Comp. Syst.* P. ii. c. 1. § 2.

23. UTR. *Aqua contineat aërem.*

## AFF.

*Boerhaave Elem. Chem.* Vol. I. p. 512.

*Ode Princ. Phil. Nat.* P. II. p. 54.

*Boyle abridg'd by Shaw*, Vol. II. p. 425, 531.

*Hamelii Hist. Acad.* L. iii. § 7. c. 1.

*Fr. Bayle Instit. Phys.* Tom. II. p. 443.

*Musschenbroek Elem. Phys.* 8vo. C. 25. § 524.

*Hales's Stat. Essays*, Vol. II. p. 275.

*Lowthorp's Abr. of Ph. Tr.* V. II. p. 218.

24. UTR. *Aqua vi elasticā polleat?*

## NEG.

*Boyle's Works abrid.* by *Shaw*, Vol. II. p. 425.

*Ode Philos. Nat. Princ.* P. II. p. 54.

*Senguerd. Connub. Ration. & Exp.* c. 8. p. 51.

## AFF.

*Schott. Tech. Curief.* L. ii. c. 22, 30.

*De Stair Ph. Nov. Explor.* ix. S. 2. p. 369.

Vid. *supra*, Qu. 22.

25. UTR. *Aqua in aquam gravitet?*

Vid. supra, Qu. 4.

26. UTR. *Aqua in aërem sit convertibilis, & vicissim aër in aquam?*

AFF.

*Aristot.* de Gen. & Corrupt. L. ii. c. 4.

*Bacon's Works* abridg'd by *Shaw*, Vol. III.

p. 33, 239, 559, 571.

*Cartesii Princ. Phil.* P. iv. § 48.

NEG.

*Varen. Geogr. Gen.* L. i. c. 19. Prop. 5.

*Boyle's Physico-Mech. Exper.* 22. or,

*Shaw's Abridg.* Vol. II. p. 429.

*Boerhaave Elem. Chem.* Vol. I.

*Ode Princ. Philos. Nat.* P. II. p. 151.

*Schotti Tech. Curios.* L. ii. c. 24.

*Fr. Bayle Instit. Phys.* Tom. II. p. 340.

*Clarkii Not. ad Robault. Ph.* P. iii. c. 3. § 7.

27. UTR. *Generalia æstuum Phænomena solventur ab attractione Solis & Lunæ?*

AFF.

*Newtoni Princ. Math.* L. iii. Prop. 24.

*Gregor. Astron.* L. iv. Prop. 64, 65.

*Halley's Theo. Tides, Mif. Cur.* V. I. p. 13. or,  
*Philos. Transact.* N°. 226. or,

*Lowthorp's*

*Lowthorp's Abr.* Vol. II. p. 285.  
*Whiston's Præl. Phys. Math. Lect.* xxxvii. p. 306.  
*Domckii Philos. Newton.* Tom. II. p. 159.  
*Pemberton's View*, p. 283.  
*Gravesande Elem. Phys.* L. iv. c. 19.  
*Clarkii Not. ad Robault.* P. ii. c. 29.  
*Worster's Nat. Philos.* p. 68.  
*Ode Princ. Philos. Nat.* P. II. p. 61.  
*Clare's Motion of Fluids*, p. 351.  
*Desaguliers's Exp. Phil.* Vol. I. p. 359—368.  
*Jurin. App. ad Varen. Geogr. Gen.* L. i. c. 14.  
*Chambers & Harris*, ad vocem TIDES.

## NEG.

Referunt nonnulli ad motum, quo intercep-  
tus aër compressus à Lunâ aquam infernè posi-  
tam urgeat.

*Cartes. Princ.* P. iv. S. 49, seqq.  
*Le Grand Institut. Philos.* P. vi. c. 12.  
*Robault.* loc. citat.  
*Sturmius in Phys. Elect.* Tom. II. p. 250.  
*Franc. Bayle Institut. Phys.* Tom. II. p. 417.  
*Andala*, P. iv. Exerc. 9.  
*Clerici Phys.* L. ii. c. 8. § 15.  
*Varen. Geogr. Gen.* L. i. c. 14. Prop. 11.  
*Philos. Burg.* Tom. II. p. 1029.  
*Regnault's Philos. Convers.* Vol. II. p. 85.  
*Buddei Philos. Theor.* P. iii. c. 1. § 29.  
 [Porro *Wallisius* Hypothesin excogitavit, quâ  
aestuum Phænomena solvere aggreditur ab ac-  
celerato vel retardato Telluris motu, prout in di-  
versis positionibus motus ejus, annuus circa fo-  
lem,

lem, menstruus circa ipsius & Lunæ commune gravitatis centrum, & diurnus circa proprium axem, diversimode conjunguntur inter se.

Philos. Trans. N°. 16, 34, 64, or,

Lowthorp's Abridg. Vol. II. p. 268—284.]

De veterum hypothefibus

Vid. Aristot. de Meteor. Tract. viii. c. 8.

Plin. Nat. Hist. L. ii. c. 97.

Plutarch. de Plac. Philos. L. iii. c. 17.

Pomponius Mela de situ Orbis, c. 1.

Varenii Geogr. Gen. loc. cit.

Gassendi Opera, Tom. II. L. i. c. 4. p. 27.

De fontibus, thermis, lacubus, fluviis, aquis marinis, mineralibus, & congelatis, vid. supra, Cap. 2. Qu. 31—44.

### III. De A E R E.

28. UTR. *Aer in aërem & in alia corpora gravitet?*

#### A F F.

Boyle's Hydrostatical Paradoxes.

— Physico-Mechan. Experiments.

— Memoirs for a General History of the Air. Et passim in aliis tractatibus, quorum compendium vid. in Shaw's Abr. Vol. I. p. 178. Vol. II. p. 286, 410, 448, 679—691. Vol. III. p. 50.

Newtoni Prin. p. 512.

Gravesande

*Gruvesande* El. Phys. Tom. I. L. ii. c. 15. Ed. I.  
*Musschenbroek* Elem. Phys. 8vo. C. 36. § 780.  
*Bernoulli* de Grav. Ætheris, p. 1.  
*Acta Erud.* Lips. A. D. 1685.  
*Ode Philos.* Nat. Prin. P. II. p. 130.  
*Boerhaave* Elem. Chem. Vol. I. p. 434.  
*Clerici* Phys. L. iii. c. 1.  
*Philos. Burgund.* Vol. III. p. 833.  
*Buddei* Philos. Theor. P. iii. c. 2. § 16.  
*Regnault's Ph. Conv.* Vol. I. Conv. 22. p. 307.  
*Homberg.* Hist. de l'Acad. 1687. p. 260, & passim.  
*Marrioste* de la Nature de l'Air.  
*Lowthorp's Abr. of Ph.* Trans. V. III. p. 204.  
*Worster's Nat. Phil.* p. 144.  
*Wolffii* Elem. Aërometriae, cap. 2.  
*Sinclair's Hydrostaticks.*  
Experim. of the Acad. *del Cimento*, passim.  
*Jurin.* App. ad *Varen. Geo. Ger.* C. 19. Pr. 6.  
*Cotes's Hydrostat. Lectures*, L. vii, viii, &c.  
*Helfham's Lect.* in N. Ph. L. xv.  
*Hauksbee's Experiments*; cum innumeris aliis,  
quotquot scil. vacuum afferuerunt.

## NEG.

*Hobbe's Dial.* de Nat. Aëris, passim.

Peripatetici & plerique ante *Galileum* philosophi omnes naturæ effectus, qui ex solo aëris pondere profluunt, ad metum vacui referre

referre solent.\* Vix opus est eorum nomina recensere.

Conf. Boyle's Examen of Hobbes's Dial. Physicus de Natura aëris.

— Defence of the Doctrine of the Spring and Weight of the Air, against the Objections of Franciscus Linus.

Aliis objectionibus respondet in Hydrost. Par. i. Schol.

Vid. Shaw's Abridg. Vol. II. p. 290, 652, &c.

De natura & proprietatibus aëris eruditè differtur Chambers, Diction. ad vocem AIR.

[\*In secunda hujus Operis Editione hæc opinio Cartesianis imputatur; sed perperam, ut mihi videtur. Robaultus enim metum vacui prorsus rejicit, & naturæ effectus è gravitate & vi aëris crassioris elasticâ satis aptè & philosophicè explicat, nisi quod ad plenitudinem mundi & materiam subtilem inaniter aliquando confusat.

Robault. Phys. P. i. c. 12.

Vid. etiam Le Grand Inst. Phil. P. vi. c. 13. § 6. c. 17. § 10.

Attamen fatendum est multos Cartesii sequaces gravitatem aëris ad particulas heterogeneas, quæ illi insunt, præcipuè referre. Vid, Robault. l. c. § 10. Le Grand Inst. Phil. P. iv. c. 17. § 3. Quinetiam ipse Cartesius aliique (utcunque metum vacui rejiciant & aëris pondus agnoscant) Phænomena sæpe solvunt ab impulsu aëris; qui, cùm quo se recipiat in mundo pleno non habeat, necessario circulari motu versus partes futuras alioqui vacuas fertur, quas vel ipse subit, vel alia corpora fluida, si quæ forte in via obstant, cum impetu quodam in eisdem protrudit.

Vid. Cartes. Epistol. P. ii. Ep. 32, 108.

Robault. Phys. P. i. c. 12. § 6, 14, 56.

Le Grand Inst. Phil. P. iv. c. 17. § 6.]

29. UTR. *Aer fit fluidum elasticum?*

Ingens est auctorum numerus, quorum testimoniis confirmatur pars quætionis affirmativa. Tædet toties repetitæ crambes.

Vid. Qu. præced.

30. UTR. *Aeris elasticitas solvenda fit a vi particularum repulsivâ?*

APP.

*Newtoni* Princ. Math. L. ii. Prop. 23. Schol.

— Optic. Qu. 30, 31.

*Hales's* Stat. Essays, Vol. I. c. 6. p. 212.

*Gravesande* Phi. New. Inst. L. ii. e. 13. n. 637.

*Worster's* Nat. Philos. p. 148.

*Sturmii* Phylic. Elect. Tom. I. p. 331.

*Ode Phil.* Nat. Princ. P. I. p. 71.

*Helfham's* Lect. in N. Ph. L. xvi. p. 242.

*Whiston*. Prael. Physico-Math. Prop. 59. Cor. 1.

*Clarkii* Not. ad Rob. Philos. P. iii. c. 2. § 3.

NEG.

Sunt, qui elasticitatem aeris ex particulis, spiraliis ad instar, intortis solvere suscipiunt.

*Philos. Burgund.* Tom. II. p. 807.

*Boyle's Works* abr. by *Shaw*, V. II. p. 410, 667.

Conf. *Rowning's C. Syst.* P. ii. c. 3. § 10. Note.

[Ex vi centrifuga materiæ subtilis, quæ in bullulis aëriis motu circulari gyratur & eas con-

O

tinuo

tinuo expandere conatur, elasticitatis aëris causam repetit

*Euler. in Com. Acad. Petr. Tom. II. p. 347.]*

*Vid. supra, Cap. 1. Qu. 23, & Cap. 2. Qu. 48.*

31. UTR. Aëris densitas fit, ut pondus eundem comprimens?

**AFF.**

*Newtoni Princ. L. ii. Prop. 22.*

*Rowning's Comp. Syst. P. ii. c. 3. § 10.*

*Boyle's Tracts, passim.*

*Shaw's Abridg. Vol. I. p. 669—673.*

*Ode Prin. Philos. Nat. P. II. p. 128.*

*Marriotte de nat. aëris, p. 29.*

— *De motu aquarum, p. 140.*

*Wolfi Elem. Math. Univers. Tom. I. p. 744.*

*Mulleri Colleg. Exper. P. i. c. 3. § 90.*

*Gravesande Phys. El. L. ii. c. 14. Ed. 2.*

*Cotes's Hydr. Lectures, Lect. ix.*

*Jurin. App. ad Varen. Geogr. C. 19. Pr. 7.*

32. UTR. Aëris elasticitas fit in ratione densitatis?

**AFF.**

Conf. auct. supra citat.

33. UTR. Destrui possit aëris elasticitas?

**AFF.**

## AFF.

*Hales's Statical Essays*, Vol. I. p. 316. Vol. II.  
p. 278, 286, 321.

## NEG.

*Boerhaave Elem. Chem. Tom. I.* p. 452, 460.  
*Ode Princ. Philos. Nat. P. II.* p. 125.

## AMBIG.

*Boyle's Works* abr. by *Shaw*, V. II. p. 429, 544.

34. UTR. *Generari possit aër?*

## AFF.

*Hales's Statical Essays*, *passim*.

*Newtoni Optic. Qu. 31.*

*Cotes's Hydrostat. Lectures*, Lect. xvi.

*Clare's Motion of Fluids*, p. 283, 290.

## AMBIG.

*Boyle's Physico-Mech. Exper. or,*  
*Shaw's Abridgment*, Vol. I, p. 429---433.

35. UTR. *Aër in aquam fit convertibilis?*

Vid. supra, *Quæst. 26.*

36. UTR. *Phænomena Mercurii in Barometro solvi possint ex gravitate & elasticitate aëris?*

Barometrum primus invenit *Torriceilius*, ad-  
auxit *Boyleus*; & deinceps *Robbervallius* & *Hu-  
genius*.

Vid. *Chauvini Lex. Phi.* ad voc. **BAROMETR.**

## AFF.

*Halley* in *Miscell. Curios.* Vol. I. p. 81.

*Philos. Transact.* N° 181, 292, & passim.

*Lowthorp's Abr.* Vol. II. p. 20, & saepe alibi.

Vid. *Jones's Indic. general.* ad calcem, Vol. V.

*Power's Experimental Philos.* Book ii.

*Pemberton's View*, B. ii. c. 6. § 13.

*Act. Erud. Lipsiens.* A. D. 1696. p. 41. Sup-  
pl. Tom. I. p. 352. A. D. 1704. p. 53<sup>8</sup>.

*Boerhaave Elem. Chem.* Vol. I. p. 479.

*Shaw's Abridg. of Boyle*, Vol. II. p. 424.

*Clarkii Not. ad Rabault.* P. i. c. 12. § 26, 41.

*Cotes's Hydrostat. Lect.* Lect. vii. & App. N. i.

*Hauksbee's Exper.* p. 113.

*Rowning's Comp. Syst.* P. ii. Diff. 4.

*Clare's Motion of Fluids*, p. 149, &c.

*Wallis. Mechan.* P. iii. c. 14. Pr. 8, seqq.

## NEG.

*Leigh's Nat. Hist. of Lancashire*, p. 16.

*Kircher de re Musica.*

*Schotti Mag. Univ.* T. III. P. iii. L. 7. p. 580.

Sunt, qui volunt gravitatem aëris causam es-  
se remotam, & elasticitatem ejus proximam &  
principalem.

*Senguerdi Connub. Rat. & Exp.* p. 211--216.

[Ascen-

[Ascensum mercurii nativæ ejusdem expansi-  
oni tempestate calidâ vel frigidâ, descensum verò  
contractioni ex fermentatione oriundæ tribuit

*Lister* in *Lowthorp's Abr.* Vol. II, p. 18.]

*Peripatetici* ad fugam vacui referunt.

Vid. *supra*, Qu. 28.

[Ex naturâ elateris aërei mutationes Barome-  
tri dedit

*Gersten.* *Tentam. System. novi 8vo.* 1733.]

*De Franc. Lini Hypothesi funiculari,*

Vid. *Powers Exp. Phil. B. ii. c. 10.* & ejusdem  
confutat. *ibid. c. 11.*

*Shaw's Abridg. of Boyle*, Vol. II, p. 652.

*Cotes's Hydrostat. Lectures*, Lect. vii.

*De Methodo construendi Barometri,*

Vid. *Ode Princ. Phil. Nat. P. I.* p. 135.

*Cotes's Hydrostat. Lectures*, L. vii. *Note a.*

*De variis Barometrorum speciebus,*

Vid. *Shaw's Abridg. of Boyle*, Vol. II. p. 425,  
490—496. Vol. III. p. 42—45.

*Hoake* in *Præfat. ad Microgr.*

*Wolfii Elem. Univ. Math. Tom. I.* p. 760.

*Senguerdi Connub. Ration. & Exp.* p. 210.

*Acta Eruditor. Lipsiens.* A. D. 1684. p. 26.

*Hugen. Opera*, Tom. II. p. 276.

*De variis eorum Phænomenis ad tempesta-  
tum mutationes discernendas,*

Vid. *Ode loc. cit.* p. 137.

*Boyle's Works abridg'd by Shaw*, V. III. p. 48.

*Fr. de Lanis Mag. Nat. & Art. Tom. II.* p. 284.

*Sturmii Coll. Curios. Auctar. P. i.* p. 23.

Philos.

Philos. Transact. 1665, 1666.

Omnia ad hanc materiam spectantia copiosè tradidere *Chambers*, & *Harris*, ad vocem **BAROMETER.**

[Siquid ex observationum tabulis eruere libeat,  
adeas

*Lowthorp's Abr. Ph. Tr. V. II. p. 2, 43, 61-102,  
112.*

*Jones's Abridgment*, Vol. IV. P. ii. p. 16-89.

*Martyn's Abr.* Vol. VI. P. ii. p. 44, 55, 131,  
153. Vol. VII. P. iv. p. 71.]

37. UTR. *Suspenſio Mercurii in tubo vitreo ad sexaginta aut ſeptuaginta unciarum altitudinem ſolvenda fit ab attractione cobæſionis?*

#### AFF.

*Newtoni Optic. Qu. 31.*

*Ode Princ. Philos. Nat. P. I. p. 63.*

*Clarkii Not. ad Robault. Phys. P. i. c. 12. § 29.*

Vid. *Jurin's Exp. in Phil. Trans. N°. 363.* or,  
*Cotes's Hydroſtat. Lectures, Append. N°. iv.*

#### NEG.

Ex pressura ætheris ſolvitur

*Hugen. Exp. Ph. 1, 2. in op. 4to, p. 770, ſeqq.*

— *Philos. Transact. N°. 86.*

*Bernoulli de Gravit. Ætheris, p. 127.*

*Wallis.* (qui aliquantulum tubi asperitati attri-  
buit) *Mechan. P. iii. c. 14. Schol. Prop. 13.*

*Phil. Trans. N°. 91.*

Vid. *Lowthorp's Abridg. Vol. II. p. 23-28.*

*Brouncker,*

*Brouncker*, *ibid.*

*Hook's Posthumous Works*, p. 365.

38. UTR. *Hydroscopii Phænomena solvantur ex humiditate & siccitate atmosphæræ?*

A F F.

*Wolfi* Elem. Math. Univ. Tom. I. p. 782.

*Sturmii* Coll. Curios. P. i. p. 124.

*Shaw's Abridg. of Boyle*, Vol. II. p. 375--382.

*Clare's Motion of Fluids*, p. 234.

Methodum conficiendi Hydroscopii docent

*Ode Princ. Phil. Nat.* P. II. p. 158.

*Stairius* in *Physiol. Nov. Explor.* 19. S. 4.

*Fr. Bayle* Instit. Phys. Tom. II. p. 463.

*Lowthorp's Abr. of Ph. Tr.* Vol. II. p. 36.

*Chambers's Dict.* ad vocem **HYGROMETER**.

Aliisque quos vid. apud *Ode* l. c.

39. UTR. *Bullarum vitrearum innatatio & immersio solvantur ex gravitate & elasticitate aëris?*

A F F.

*De Chales* Cursus Math. Tom. II. p. 166.

*Sturmii* Col. Curios. P. I. p. 28. Auctar. p. 49.

*Regnault's Phil. Conv.* Vol. I. p. 332.

*Ode Princ. Ph. Nat.* P. I. p. 156. P. II. p. 120.

*Gravesande* Phy. El. L. ii. c. 17. n. 1119. Ed. 2.

*Schotti* Mec. Hydraul. P. ii. Cl. 1. c. 5.

— Mag. Univ. T. III. L. 5. p. 405.

*Marriotte's Hydrostaticks*, p. 109.

*Cotes's Hydrostat. Lectures*, Lect. iv. p. 46.

*Helsham's*

*Heselham's Lect. in Nat. Phil. L. xiii. p. 206.  
Clare's Motion of Fluids, p. 118, 217.*

40. UTR. *Antliarum & siphonum Phænomena solvantur ex gravitate aëris?*

## AFF.

*Wallis. Opera Math. Vol. I. p. 1053.*

\_\_\_\_\_ *Mechan. P. iii. c. 14. Pr. 15.*

*Boyle's Physico-Mechan. Exper.*

\_\_\_\_\_ *Hydr. Paradoxes, v, x.*

*Shaw's Abr. Vol. II. p. 300, 310, 446, 497.*

*Sturmii Coll. Curiol. P. I. T. v, vi. P. II. T. v.*

*Marriotte's Hydrostat. P. ii. p. 53.*

*Worster's Nat. Phil. p. 119.*

*Regnault's Philos. Conv. Vol. I. p. 350.*

*Gravesande Elem. Phys. L. ii. c. 18. Ed. 2.*

*Cotes's Hydrostat. Lectures, Lect. x.*

*Clare's Motion of Fluids, p. 35, &c.*

## NEG.

*Peripatetici; qui omnia hujusmodi Phænomena ad metum vacui referunt.*

[*Cartesiani* quidam ad impulsum aëris ab ejus gravitate diversum referre solent. Vid. supra Ann. ad Qu. 28.]

41. UTR. *Aëris elasticitas in causa sit, quare, ope Antliæ Pneumaticæ, aëris e vase exbaturiri possit?*

## AFF.

*Gravesande Phys. El. L. ii. c. 16. Ed. 2.*

*Ode*

*Ode* Princ. Philos. Nat. P. II. p. 118.

*Wolfii* Aërometr. c. 2. Math. U. V. I. p. 735.

*Hamelii* Phil. Vet. & Nov. Tom. IV. p. 234.

## NEG.

[Et ad metum vacui refert

*Schotti* Mechan. Hydraul. p. 472.]

Antliæ Pneumaticæ descriptionem & usum  
vid. apud *Boyle* (cujus ingenio inventionem hu-  
jus machinæ utilissimæ acceptam referimus) Phy-  
sico-Mechan. Exp.

*Shaw's* Abrid. Vol. II. p. 407-412, 474, 555,  
683-697.

*Hauksbee's* Experiments.

*Cotes's* Hydrostat. Lectures, Lect. xii.

*Clare's* Motion of Fluids, p. 152.

*Chambers & Harris* ad vocem AIR-PUMP.

42. UTR. Recte statuat HALLEIUS de cam-  
panâ urinatoriâ?

## AFF.

Philos. Transf. N° 349. p. 492.

*Jones's* Abridg. Vol. IV. P. ii. p. 188.

*Martyn's* Abr. Vol. VI. P. i. p. 350.

*Regnault's* Philos. Convers. Vol. I. p. 305.

*Ode* Philos. Nat. Princ. P. II. p. 127.

*Worster's* Nat. Philos. p. 166.

*Stairius* in Physiol. Nov. Explor. 19. S. 8.

*Franc. de Lan.* Mag. Nat. & Art. Tom. II.

L. v. c. 3. Art. 34.

*Clare's* Motion of Fluids, p. 175.

P

Usum

Usum hujusmodi campanæ exponunt

*Sturmius* Coll. Ctr. P. i. Tent. i. & P. ii. Tent. i.

— Philos. Elect. Tom. I. p. 325.

*Mullerus* in Coll. Exper. P. i. c. 3.

*Sinclair* Hydrostat. p. 77.

Objectionibus quibusdam respondet

*Boyle* in Hydrostat. Parad. i. Schol.

*Shaw's* Abridg. Vol. II. p. 290.

43. UTR. *Aer sit vehiculum soni?*

AFF.

*Hauksbee's* Physico-Mech. Exp. p. 129, 134.

*Shaw's* Ab. of *Boyle*, Vol. II. p. 510. Note,

Philos. Trans. N°. 247, 313, 319.

Miscell. Curios. Vol. I. p. 121.

*Lowthorp's* Abridg. Vol. I. p. 594.

*Jones's* Abridg. Vol. IV. P. i. p. 396, 414,

*Rohaulti* Phys. p. 1. c. 26.

*Fr. de Lanis* Mag. Nat. & Art. T. II. p. 410.

*Pemberton's* View, p. 270.

*Ode Princ.* Phil. Nat. P. I. p. 287.

*Newtoni* Princ. Math. L. ii. Prop. 46,

*Gravesande* El. Phys, L. ii. c. 19. Ed. 2.

*Rowning's* Comp. Syst. P. ii. Diff. i. p. 47.

*Regnault's* Philos. Conv. Vol. II. p. 241,

*Musschenbroek* Elem. Phys. 8vo. c. 37.

*Clerici* Phys. L. v. c. 10.

*Guerickius* de spatio vacuo, L. iii. c. 15,

*Cartesii* Princ. P. iv. § 194.

*Cotes's* Hydrostat. Lectures, L. xv.

*Derham's* Phys. Theol. B. iv. c. 3. Note bb.

*Helskam's*

*Helsham's Lect. in N. Ph. L. xvii.*

*Clare's Motion of Fluids, p. 320.*

*Whiston's Præl. Ph. Math. Pr. 63 C. 7. &c. Pr. 66.*

## NEG.

Sunt, qui sonos per aetherem terrestri atmosphærâ subtiliorem propagari existimant.

*Sturmii Coll. Cur. P. i. Auct. p. 58.*

*Schott. Tech. Curios. L. iii. c. 2.*

*Idem suspicari videtur Newtonus.*

— *Princ. Math. ad Calcem.*

— *Optic. Qu. 18--23.*

Quocunque ad naturam sonorum pertinet, breviter exposuit *Chambers*, ad vocem **sound**.

[*Organi auditus descriptionem vid. apud Schotti Mag. Univers. Tom. II. p. 5.*  
*Derham's Physico-Theol. B. iv. C. 3.*  
*Cheyne's Philos. Princ. P. i. c. 6. § 46.*  
*Keill, Gibson, Drake, Cowper, & reliquos Anat. scriptores.*]

44. *UTR. Soni, utcunque in tonis diversi, propagari debeant eadem velocitate?*

## AFF.

*Boyle's Works by Shaw, Vol. I. p. 145. Vol. II.*

*p. 152.*

*Robaulti Phys. P. i. c. 26. § 34.*

*Miscell. Cur. Vol. I. p. 121.*

*Hauksbee's Exper. p. 262.*

*Pemberton's View, p. 282.*

*Lowthorp, Jones, Gravesande, Muffchenbroek, Clericus, Cotes, Helsham, &c. ubi supra.*

45. UTR. *Echo fit sonus reflexus?*

A F F.

*Miscel. Curios. Vol. I. p. 121.*

*Sturmii Phys. Elect. Tom. I. p. 661.*

*Ode Princ. Philos. Nat. P. I. p. 296.*

*Kircher de Re Musicâ, L. ix.*

*Rowning's Com. Syst. P. ii. Diff. 1.*

*Schotti Magia Univers. Tom. II. p. 79.*

*Clare's Motion of Fluids, p. 347.*

*De locis ob sonos sæpius iteratos celebribus, Vid. Ode l. c. p. 297.*

*Plot's History of Oxfordshire.*

*Acta Eruditor. Lipsiens. 1692. p. 304.*

*Fr. de Lanis Mag. Nat. & Art. T. II. p. 438.*

*Kircher de Re Musicâ, L. i. S. 4. c. 3.*

*Schot. l. c. p. 119.*

46. UTR. *Tubæ Stentorophonicæ ratio solvatur ex soni reflectione?*

A F F.

*Kircher de Re Musicâ, L. ix. Par. iv.*

*Ode Princ. Phil. Nat. P. I. p. 293.*

*Rowning's Comp. Syst. P. ii. Diff. i. p. 53. Note.*

*Sturmii Coll. Curios. P. ii. Tentam 8.*

— *Phys. Elect. Tom. I. p. 673, 676.*

*Lowthorp's Abr. of Ph. Transf. V. I. p. 593.*

*Miscell. Curios. Vol. I. p. 121.*

*Chauvini Lexicon, ad vocem SONUS.*

*Morland's*

*Morland's Tuba Stentorophonica.*

*Whiston. Præl. Physico-Math. Prop. 66. C. 6.*

*Helfham's Lect. in Nat. Ph. L. v. p. 75. L. xviii.*

[*De variis aliis machinis acousticis vid. Schotti Mag. Univ. Tom. II. p. 143, seqq.*]

47. UTR. *Effectus TARANTULÆ morsūs a certa sonorum modulatione sanari possint?*

Vid. *Schotti Magia Univ. Tom. II. p. 238.*

Vid. *supra, Cap. 2. Qu. 16.*

CAPUT

## CAPUT VII.

## QUÆSTIONES OPTICÆ.

I. *De VISIONE in genere.*

1. **U**TRUM Structura oculi cameræ obscuræ, aut fictitio oculo ab HUGENIO descripto respondeat?

A F F.

*Hugenii Opusc. Posthuma*, p. 112.

*Smith's Opticks*, Vol. I. B. i. c. 3.

*Sturmii Coll. Cur. P. I. Tent. ii.*

— *Math. Juv. Opt. S. i. c. 2.*

*Cartes. Diop. Cap. v.*

Præcipui auctores, qui structuram oculi describunt, sunt

*Briggii in Ophthalmographia*, c. 1.

*Newtoni Optic. L. i. Ax. 7. p. 11.*

*Robaulti Phys. P. i. c. 28--32.*

*Sturm. Philos. Elec. Tom. I. Exerc. 9.*

*Nieuwentyt's Rel. Phil. Contemp. 13.*

*Wolfii Elem. Math. Univ. Tom. II. p. 6--8.*

*Regnault's Philos. Conv. Vol. II. p. 324.*

*Gravesande Phys. El. L. iii. c. 10.*

*Musschenbroek El. Phys. 8vo. C. 32.*

*Cowper's Anat. Introd. & Tab. xi.*

*Keill's.*

*Keill's Anat.* c. 4. S. 4.

*Chefelen's Anatomy*, B. iv. c. 4.

*Rowning's Comp. Syst.* P. iii, c. 5.

*Derham's Physico-Theol.* B. iv. c. 2.

*Cheyne's Phil. Princ.* P. i. c. 6. § 45.

*Martin's Comp. Syst. of Opticks*, P. iii. c. 1.

*Helsham's Lect. in Nat. Phil.* L. xxii.

*Chambers's Dictionary* ad vocem **EYE**.

2. **UTR.** *Visio oriatur ab imagine, quam radii lucis in retinam depingunt?*

Veteres Philosophi in diversas distrahuntur sententias de causis visionis. *Quidam Platonici* lucem ex oculis emicare arbitrati sunt. [Vid. *Schotti Magia Univ.* Tom. I. p. 84.] *Epicurei* per idola corporea, *Peripatetici* per species intentionales (modo ab *Epicureis* haud multum absimili) visionem fieri docuerunt.

Vid. *Chauvini Lexicon*, ad vocem **VISIO**.

*Gassendi Philosoph.* *Epic.* p. 128.

*Ode Princ. Philos. Nat.* P. I. p. 240.

*Lucret.* L. iv. ver. 160--218.

*Gellius*, L. v. c. 16.

*Smith's Opticks*, Rem. 23.

### AFF.

Plerique omnes Philosophi recentiores. [Hoc scilicet sensu, quod radii, qui imaginem depingunt, fibras etiam tenuissimas, ex quibus retina constat, motu suo (vel secundum *Cartesianos* pressurâ suâ) agitant; qua agitatione ad cerebrum continuatâ ideae objectorum in oculo depictorum in

3. UTR. *Magnitudo imaginis [quoad diametrum] in retinam depictæ fit, ut angulus opticus, i. e. quem subtendit res objecta ad oculum?*

## AFF.

Keill Introd. ad Astron. Lect. i.

Gravesande Phys. Elem. L. iii. c. 11.

Wolfi El. Math. Univ. Tom. II. c. 5. p. 38.

Smith's Opticks. Vol. I. B. i. c. 3. p. 91.

4. UTR. *Motus corporis apparens æstimetur ex motu imaginis in fundum oculi depictæ?*

## AFF.

Keill, Gravesande, ubi supra.

Wolfi Elem. Math. Univ. Tom. II. c. 8. p. 67.

Robaulti Phys. P. i. c. 32. § 32.

Sturm. Math. Juv. Opt. S. i. c. 12.

## NEG.

Malebranche, Search after Truth, B. i. c. 8. § 2.

5. UTR. *Distantia objectorum haud longo intervallo ab oculo remotorum æstimetur ab angulo, quem formant axes optici?*

## AFF.

Cartes. Diopt. c. 6. §. 13. & Ep. P. i. p. 229.

Ode Princ. Philos. Nat. P. I. p. 244.

Gravesande Phys. Elem. L. iii. c. 10.

Malebranche's Search after Truth, B. i. c. 9. § 3.

De

*De Chales* Cursus Math. Tom. II. p. 386.

*Aguilon.* Opt. p. 155. \*

*Musschenbroek* El. Phys. 8vo. C. xxxiii. § 717.

*Rowning's* Comp. Syst. P. iii. c. 6. p. 71.

*Sturmii* Math. Juv. Opt. S. i. c. 9.

*Robaulti* Phys. P. i. c. 32. § 14.

N E G.

*Tacquet.* Opt. L. i. Prop. 2.

Ab usū & experientia nos omnino distantias æstimare vult

*Berkleius* in New Theory of Vision, § 2, &c.

— Minute Philos. Vol. I. p. 223.

Vid. *Cheselden's* Anatomy, Append. p. 349.

*Helsham's* Lect. in Nat. Phil. L. xxii. p. 332.

*Voltaire's* Elem. of *Newton's* Phil. C. vi.

[*Cel. Scriptor nuperus, ex iisdem principiis, iudicia nostra circa hanc rem refert ad experientiam diversæ apparentis magnitudinis objecti ad diversas distantias; quas ideo semper determinari vult, ab apparenti ipsius objecti magnitudine, unà cum apparenti etiam magnitudine superficie visibilis obliquè interpositæ.*

*Smith's* Opt. B. i. c. 5. a. 138. Rem. 197-248.]

Plerique volunt distantias [majores faltem] non sensu, sed præjudiciis saepius æstimari.

*Molyneux's* Dioptric. P. i. Pr. 31.

[\* *De Chales* & *Aguilonius* non æstimant objecti distantiam ab angulo, quem formant axes optici in puncto concursus, sed ab eo, quem efficiunt cum rectâ oculorum centra connectente.

Vid. *De Chales* loc. cit.

*Aguilon.* Opt. L. ii. Pr. 24. L. iii. Pr. 4, 5.  
Eodem modo rem explicat *Cartesius* loc. cit.]

Q

De

*De Chales Cursus Math. Tom. II. p. 309, 405.*

Vid. etiam plerosque auctores supra citatos.

[Deminoribus distantiis, uno præsertim oculo, ex divergentiâ radiorum, qui ab objectis fluunt, judicium ferri contendunt,

*Rowning, l. c. p. 70. Robault. § 16. Molyneux p. 114. Cartesius, &c.]*

Varias causas, ex quibus distantiæ æstimari solent, recenset *Ode* loc. citat.

6. UTR. *Magnitudo objecti æstimetur a magnitudine imaginis in fundo oculi formatæ, una cum præjudicata opinione de ejusdem distantia?*

A F F.

*Gravesande Elem. Phys. L. iii. c. 10.*

*Ode Prin. Philos. Nat. P. I. p. 246.*

*Wolfi El. Math. Univ. Tom. II. c. 5. p. 38.*

*Mussckenbroek El. Phys. 8vo. C. xxxiii. § 716.*

*Smith's Opticks, Rem. 301.*

*Rowning's Comp. Syst. P. iii. c. 6. p. 70.*

*Sturmii Math. Juv. Opt. S. i. c. 10.*

*Martin's Opticks, P. iii. c. 2. § 5, &c.*

N E G.

*Berkeley's New Theory of Vision, § 53, &c.*

*Voltaire's Elem. of Newton's Phil. C. vi.*

7. UTR. *Objectum ambobus oculis visum ideo simplex appareat, quia duæ imagines (propter axium opticorum concursum) in unam coalescere videntur? sive,*

UTR. *Concursus axium opticorum per se sufficiat ad solvendam simplicem visionem?*

A F F.

## AFF.

*Cartes.* Dioptr. c. 6. § 10.

*Aguilon.* Optic. L. iv. Pr. 136. Cons. 2.

*Hon. Fabri de Homine,* L. ii. Pr. 93.

*De Chales Cursus Math.* Tom. II. p. 380.

vid. etiam, p. 411, & seqq.

*Sturmii Math. Juv. Opt. Sect. i. c. 11.* § 4.

*Molyneux's Diopt.* P. ii. c. 7.

*Clarkii Not. ad Rob. Phys.* P. i. c. 31. § 20.

*Ode Princ. Phil. Nat.* P. I. p. 248.

*Regnault's Phil. Conv.* Vol. II. p. 332.

*Rowning's Comp. Syft.* P. iii. c. 6. p. 66,

## NEG.

*Gassendi Epist. de Magnit. Solis.*

*Tacquet. Optic.* L. i. Pr. 2.

Sunt, qui causam repetunt à coalitione nervorum opticorum, priusquam ad sensorum deferantur.

*Galen. de usu partium,* L. x. c. 14.

*Willis de An. Brutor.* c. 15. p. 143.

*Bartholini Anatom. Renov.* p. 672.

*Newtoni Optic. Qu.* 15.

*Gravesande El. Phys.* L. iii. c. 10. p. 47.

[Vel à fibrarum, ex quibus nervi optici constant, *inter se convenientium* concursu in eodem cerebri punto.

*Robaulti Phys.* P. i. c. 31. § 20.

*Le Grand Inst. Phil.* P. viii. c. 18. § 12.

Veldemum à fibrarum istarum concordiâ quādam seu simili tensione.]

Brigg. Nova Visionis Theoria, p. 8, 17.

Experiētiæ omnino attribuunt

Berkley's New Theory of Vision, § 108.

Smith's Opticks, B. i. c. 5. a. 137. Rem. 195.

### AMBIG.

[Musschenbroek El. Phys. 8vo. C. xxxiii. § 701.]

8. UTR. *Causa assignari possit, quare objecta erecta apparere debeant, quorum imago inversa est in fundo oculi?*

### AFF.

Cartes. Dioptr. c. 6. § 10.

Molyneux's Dioptr. P. i. Pr. 28. P. ii. c. 7. p. 289.

Wells's Opticks, C. iv. Th. 5. Schol. 19.

Martin's Opticks, P. iii. c. 2. § 4.

Ab usu & experiētiâ ducitur

Berkley's New Theory of Vision, § 91, &c.

Rowning's Comp. Syst. P. iii. c. 6. p. 65.

Voltaire's Elem. of Newton's Philos. C. vi.

Smith's Opticks, B. i. c. 5. a. 136.

### NEG.

Gravesande Phys. Elem. L. iii. c. 10.

Regnault's Philos. Conv. Vol. II. p. 327.

### AMBIG.

[Musschenbroek El. Phys. 8vo. C. xxxiii. § 700.]

[9. UTR.

[9. UTR. *Recte statuat JURINUS de distincta visione?*

Vid. *Jurin's Essay*, in *Smith's Opt. ad calcem.*

10. UTR. *Diversa oculi conformatio (præter auctam aut diminutam pupillam) requiratur, ut objecta ad diversas distantias perfectè distincta appareant?*

NEG.

*De la Hire in Mem. à Paris 1694.*

AFF.

Reliqui scriptores optici; at in diversas abiére sententias de modo, quo perficitur.

I. Alii supponunt *externam oculi figuram, ope muscularum, mutatam esse.*

*Rohault. Phys. P. i. c. 28. § 12. c. 30. § 8.*

*Le Grand Inst. Phil. P. viii. c. 18. § 5.*

*Nieuwentyt's Rel. Phil. Vol. I. C. x. § 22.*

*Brigg. Ophthalmogr. c. 2. p. 12.*

*Helsham's Lect. in N. Ph. L. xxii. p. 325.*

II. Alii humoris crystallini aut convexitatem aut intervallum à retina, aut utrumque mutari volunt, ope ligaminum ciliarium.

*De Chales Cursus Math. Tom. II. p. 358.*

*Sturmii Math. Juv. Opt. Sect. i. c. 4.*

*Gravesande Phys. Elem. L. iii. c. 10. p. 47.*

*Musschenbroek El. Phys. 8vo. C. xxxiii. § 698.*

*Rowning's Comp. Syst. P. iii. c. 6. p. 62.*

*Aut ope fibrarum in ipso humore.*

*Pemberton.*

III. Aliorum hypotheses ad examen revocavit, & novam, pro suo in rebus philosophicis acumine, substituit

Jurin. in Smith's Opt. Essay, a. 127--144.

II. UTR. *Objectum, cuius imago in eam retinæ partem incidit qua nervus opticus oculum ingreditur, sensu percipi debeat?*

NEG.

Marriotte in Phil. Trans. N°. 35.

Cheyne's Phil. Princ. P. i. c. 6. § 45.

Musschenbroek El. Phys. 8vo. C. xxxiii. § 702.

Bernoulli in Com. Acad. Petrop. T. I. p. 314.

Rowning's Comp. Syst. P. iii. c. 6. p. 69.

Smith's Opticks, Rem. 32, 43.

AFF.

Brigg. Ophthalmogr. c. 3. § 15.]

## II. De LUMINE & COLORIBUS.

12. UTR. *Lumen fit corpus?*

AFF.

Newtoni Princ. Math. L. ii. S. 8. p. 357.

——— Optic. *passim*.

Gravesande Phys. Elem. L. iii. c. 3.

Gassendi Opera, Vol. I. S. 1. L. vi. c. 7.

Hook's Posthumous Works, p. 115.

Worster's Nat. Ph. p. 177.

Rowning's

*Rowning's Comp. Syst.* P. iii. c. 1.

*Voltaire's Elem. of Newton's Phil.* C. i.

*Cheyne's Phil. Princ.* P. i. c. 2. § 32.

*Molyneux's Dioptr.* P. ii. c. 1. § 5--8.

*Chambers's Dict.* ad vocem **LIGHT**.

### NEG.

Lumen in pressurâ materiæ subtilis consistere  
volunt *Cartesiani*.

*Cartes. Dioptr.* c. 1. § 3.

*Le Grand Institut. Philos.* P. v. c. 15.

*De Chales Cursus Math.* Vol. II. p. 426.

*Robaulti Phys.* P. i. c. 27. § 15.

*Burgundia Philosoph.* Tom. II. p. 948.

*Regnault's Philos. Conv.* Vol. II. p. 284.

*Hobbes. Elem. Phil. Sect. I. P. iv. c. 27.* § 2.

### 13. UTR. *Corpora & lumen in se mutuo agant?*

#### AFF.

*Newtoni Opt.* L. iii. p. 272.

*Pemberton's View*, p. 369.

*Shaw's Abridg. of Boyle*, Vol. III. p. 265.

### 14. UTR. *Corpora & lumen in se mutuo possint converti?*

#### AFF.

*Newtoni Opt.* p. 319.

*Shaw's Abridg. of Boyle*, Vol. II. p. 232.

*Nieuwentyt's Rel. Phil.* Vol. III. C. 24. § 37.

#### AMBIG.

## AMBIG.

[*Musschenbroek El. Phy. 8vo. C. xxvii. § 606.*]

15. UTR. Successiva sit luminis Propagatio?

## AFF.

*Newtoni Optice*, L. ii. S. 3. p. 236, 307.

*Boyle's Works abridg'd by Shaw*, V. II. p. 58.  
Vol. III. p. 186.

*Lowthorp's Abr. of Ph. Tr.* V. I. p. 409, 422.

*Bradley de Stellarum fixarum Parallaxi.*

— *Philof. Transact.* N°. 406. or,

*Martyn's Abridg.* Vol. VI. P. i. p. 149.

*Desaguliers's Exp. Phil.* Vol. I. p. 386.

*Keill Introd. ad Astron.* p. 223.

*Musschenbroek El. Phys.* 8vo. C. xxvii. § 601.

*Whiston's Praelect. Astronom.* p. 233.

*Hook's Posth. Works*, p. 99.

*Hales's Lect. in Nat. Phil.* L. xix. p. 287.

*Smith's Opticks*, B. iv. c. 5. a. 1119.

## NEG.

*Cartesiani.* Vid. Libros supra citat.

16. UTR. Color fit connata lucis proprietas?

## AFF.

*Newtoni Optic.* *passim.*

— *Lectiones Opticæ (opus posthumum)*  
P. II. Sect. 1.

*Pemberton's View*, p. 324.

*L*

*Lowthorp's Abr. of Ph. Tr. V. I. p. 128-173.*

[*Ibid. Objectiones quorundam philosophorum, contra Newtoni Theoriam una cum ipsius responsionibus videre licet.*]

*Gravesande Phy: Elem. Math. L. iii. c. 19*

*Ode Philos. Nat. Princ. P. I. p. 273.*

*Clarkii Not. ad Robault: Phys. P. i. c. 27.*

§ 52, 65.

*Wolfii El. Math. Univ. Tom. II. p. 34-37.*

*Musschenbroek Elem. Phys. 8vo. C. xxxi.*

*Desaguliers in Phil. Transf. N°. 348. or,*

*Jones's Abridg. Vol. IV. P. i. p. 173.*

*Marriotte sur les Couleurs, p. 207.*

*Helfham's Lect. in Nat. Phil. L. xx.*

NEG.

Alii colores ex diversis luminis & umbræ confiniis, quibus radii lucis variè modificantur, oriri contendunt.

*Cartes. Dioptr. c. i. §. 4.*

*Boyle on Colours, P. i. c. 2.*

*Shaw's Abridg. Vol. II. p. 2.*

*Robault l. c.*

*Sturmii Phys. Elect. Tom. I. p. 419.*

*Hobbes Elem. Phil. Sect. I. P. iv. c. 27. § 13.*

*Le Grand Inst. Phil. P. viii. c. 17.*

*Barrovii Lect. Opt. L. xii. sub finem.*

*Hon. Fabri Phys. T. II. Trac. iii. L. i.*

[*Vid. etiam novam de coloribus hypothesin*

*Regnault's Phil. Conv. Vol. II. Con. xxiii.*]

17. UTR. *Lumen constet ex radiis refrangibilitate & reflexibilitate diversis?*

AFF.

*Newtoni Optice*, L.i. Prop. 1, 2, 3. p.15.

*Miscell. Curios.* Vol. I. p. 97.

*Rowning's Comp. Syst.* P. iii. c. 11.

*Martin's Opticks*, P. iii. c. 14.

*Voltaire's Elem. of Newton's Phil.* C. viii.

*Smith's Opticks*, B. i. c.6. a.172.

Adjungas libros supra citatos.

NEG.

*Cartesiani*. Vid. supra.

Et veterem hypothesin nuper resuscitavit

*Rizzetti de luminis affectionibus.*

Cujus doctrinam breviter expositam, vid. in  
the Present State of Republick of Letters. Vol.  
II. p. 255. Et refutatam, *ibid.* p. 423. &,  
Phil. Trans. N°. 406, p. 596. or,

*Martyn's Abr.* Vol.VI. P.i. p. 110, 145.

18. UTR. *Æther sit vehiculum lucis?*

AFF.

*Newtoni Optic.* Qu.17—23.

— *Princip. Math. ad calcem.*

*Worster's Princ. of Philos.* p.178.

19. UTR. *Colores compositione procreari posse  
recte doceat NEWTONUS?*

AFF.

AFF.

*Newtoni Optic. P. ii. Prop. 4. p. 108.*

*Phil. Trans. N°. 96, 97. or,*

*Lowthorp's Abr. Vol. I. p. 156. unâ cum auctoribus in Qu. 16, 17. affirmantibus.*

20. UTR. *Admittendæ sint Newtonianæ vi-ces facilitioris reflexionis & facilitioris transmissiūs?*

AFF.

*Newtoni Optic. p. 240.*

*Pemberton's View, p. 371.*

*Worster's Nat. Philos. p. 230.*

*Cheyne's Phil. Princ. P. i. c. 2. §. 40.*

*Jurin's Essay, in Smith's Opt. a. 208, 226.*

AMBIG.

[*Rowning's Comp. Syst. P. iii. Dissert. 2.*]

21. UTR. *Corpora reflectant & refringant lumen unâ eâdemque vi diversimodè in diversis circumstantiis sese exerente?*

AFF.

*Newtoni Opt. p. 229.*

*Worster's Nat. Phil. p. 227.*

*Clarkii Not. ad Rohault. P. i. c. 27. §. 37.*

*Smith's Op. B. i. c. 7. a. 188. c. 8. a. 196.*

*Cheyne's Phil. Prin. P. i. c. 2. §. 36, 38.*

*Vid. Desaguliers in Martyn's Abr. of Tr. V.*

*VI. P. i. p. 115—122.*

*Voltaire's Elem. of Newton's Phil. C. vii, x.*

[Præcipuas de reflexione luminis Philosophorum hypotheses explicatas & ad examen revocatas,

Vid. apud *Rowning's Comp. Syst.* loc. cit.]

22. UTR. *Magnitudo partium, ex quibus corpora naturalia constant, aestimari possit ex illorum coloribus?*

## AFF.

Newtoni Optic. p. 217.

Pemberton's View, p. 350.

23. UTR. Corporum naturalium partes minimaæ sint pellucidæ?

AFF

Newtoni Opt. p. 210.

Worster's Nat. Philos. p. 247.

Gravesande Elem. Phys. Math. L. iii. c. 23.

Pemberton's View, p. 341.

Rowning's Com. Syst. P. iii. c. 12.

Voltaire's Elem. of Newton's Phil. C. xii.

24. UTR. *Corporum tenuium pellucidorum colores recte explicentur a NEWTONO?*

AFF.

*Newtoni* Optic. p. 160.

Pemberton's View, p. 344.

Gravesande Elem. Phys. L. iii. p. 98.

25. UTR.

25. UTR. Ea detur analogia inter permanentes corporum naturalium ac tenuium laminarum calores, quæ assignatur a NEWTONO?

A F F.

Newtoni Opt. p. 207.

Gravesande Elem. Phys. L. iii. c. 23.

Pemberton's View, p. 348.

Clark. Not. ad Rob. Phys. P. i. c. 27. § 52.

Smith's Opticks, B. i. c. 8. a. 201.

26. UTR. Corporum nigrorum particulæ sint admodum tenues & minutæ?

A F F.

Newtoni Optice. L. ii. P. iii. Pr. 7.

Robaulti Phys. P. i. c. 27. § 57, 59.

27. UTR. Colorum prismatibus exhibitorum rationem recte explicet NEWTONUS?

A F F.

Newtoni Opt. L. i. P. ii. Prop. 8. p. 134.

Clark. Not. ad Rob. Phys. P. i. c. 27. § 57.

28. UTR. Recte statuat NEWTONUS de inflexionibus radiorum luminis, & coloribus inde generatis?

A F F.

Newtoni Optic. L. iii. p. 272--293.

Gravesande Elem. Phys. L. iii. c. 5.

29. UTR.

29. UTR. *Crystalli Islandicæ refractiones singularēm quandam luminis proprietatem ostendant ab aliis hactenus cognitis diversam?*

AFF.

*Newtoni Opt. Qu. 17. p. 299.*

30. UTR. *Pori transversarii per se sufficient ad Diaphaneitatem constituendam?* *five,*

UTR. *Causa opacitatis vera sit, quod meatus, per quos lumen transire possit, obturentur?*

AFF.

*Cartesiani. Robault. Phys. P. i. c. 27. § 15.*

*Clerici Phys. L. v. c. 8.*

*Regnault's Philos. Convers. Vol. II. p. 299.*

NEG.

*Newtoni Opt. L. i. Prop. 10.*

*Pemberton's View, p. 344.*

*Clarkii Not. ad Robault. P. i. c. 27. § 15.*

*Gravesande Elem. Phys. L. iii. c. 17.*

*Rowning's Comp. Syst. P. iii. c. 13.*

*Smith's Opticks, B. i. c. 8.*

### III. QUÆSTIONES DIOPTRICÆ.

31. UTR. *Sinus incidentiæ cujusque radii seorsim ad sinum refractionis suæ in data ratione effe debeat?*

AFF.

## AFF.

*Newtoni* Opt. L. i. Prop. 6. p. 61.

*Gravesande* El. Phys. L. iii. c. 6. n. 639.

*Musschenbroek* El. Phys. 8vo. C. xxviii. § 618.

*De Chales* Cursus Math. Vol. II. p. 616.

*Rowning's* Comp. Syst. P. iii. c. 2. Note.

*Helsing's* Lect. in N. Ph. L. xix. p. 295.

*Wells's* Opticks, C. iv. Th. 1.

*Whiston*. Præl. Physico-Math. Pr. 53. p. 221.

32. UTR. *Ratio reddi possit, cur radii lumenis ex medio rario in densius oblique incidentes ad perpendiculum, & ex densiori in rarius à perpendiculo refringantur?*

Causam repetunt *Cartesiani* ex eo, quod lumen per densius medium facilius transmittatur, quam per rarius.

*Cartes.* Dioptr. c. 2. § 9.

Attractioni attribuunt *Newtoniani*.

*Newtoni* Opt. L. ii. P. iii. Prop. 9, 10. p. 229.

*Clarkii* Not. ad *Robault*. P. i. c. 27. § 37.

*Musschenbroek* El. Phys. 8vo. C. xxviii.

*Gravesande* Phys. El. L. iii. c. 6.

*Voltaire's* Elem. of *Newton's* Phil. C. vii.

*Helsing's* Lect. in Nat. Phil. L. xix. p. 289.

*Rowning* loc. cit.

Vid. *Desaguliers* in *Martyn's* Ab. of Tr. Vol. VI.

P. i. p. 115.

*Smith's* Opt. B. i. c. 7. a. 188-194, Rem. 413.

Aliæ

Aliæ causæ assignantur à *Leibnitzio*.

— *Acta Erud.* A. D. 1682. p. 188.

*Vid. Molyneux's Dioptr.* P. ii. c. 1.

*Et Bernoullio.* *Acta Erud.* A. D. 1701. p. 19.

*Et Hamelio in Philos. Burgund.* T. II. p. 958.

*Et Barrovio in Lect. Opt.* L. i. § 11. ii. § 4.

*Vid. etiam De Chales Curf. Math.* T. II. p. 609.

[33. UTR. *Diversa radiorum luminis refrangibilitas ex diversâ eorum, vel magnitudine, vel densitate solvi possit?*

A F F.

*Newtoni Optic.* Qu. 13.

*Musschenbroek El. Phys.* 8vo. C. xxxi. § 656.

*Voltaire's El. of Newton's Phil.* C. ix.

*Smith's Opticks*, B. i. c. 7. a. 192.

*Rowning's Comp. Syst.* P. iii. c. 1.

*Helfham's Lect. in Nat. Ph.* L. xx. p. 299.]

34. UTR. *Ratio vitrorum utrinque planorum ex principiis opticis explicari possit?*

A F F.

*Hon. Fabri Synops.* Opt. p. 110.

*Molyneux's Dioptr.* p. 110.

*Gregory's Dioptr.* Prop. 11.

*Grævesande Elem. Phys.* L. iii. c. 11.

*Ode Princ. Philos. Nat.* P. I. p. 265.

*Musschenbroek El. Ph.* 8vo. C. xxix, xxx, xxxiv.

*Barrovii Lect. Opticæ*, L. xv, Ex. 2. xvi. &c.

*Rowning's Comp. Syst.* P. iii. c. 7. Prop. 2.

*Smith's Opt.* B. i. c. 2, 4, 5, B. ii. c. 4, 5, 12.

35. UTR.

35. UTR. *Ratio Lentium utrinque convexarum, vel utrinque concavarum, ex principiis opticis explicari possit?*

AFF.

*Hugen. Op. Posth. p. 125, 146, 155, &c.*

*Robaulti Phys. L. i. c. 27. § 42. c. 33.*

*Worster's Nat. Philos. p. 196.*

*Wolfii El. Math. Univ. Tom. II. p. 231, 242,  
& seqq.*

*Kepler. Diop. Pr. 66, &c.*

*Sturm. Math. Juv. Diop. p. 358, &c.*

*De Chales Cursus Math. Vol. II. p. 627-655.*

*Barrovii Lect. Opt. L. xi. &c.*

*Rowning's Comp. Syst. P. iii. c. 4, 7.*

*Helsham's Lect. in Nat. Philos. L. xxi, xxii.*

*Martin's Opticks, P. ii.*

*Wells's Opticks, C. iv.*

*His adjungas auctores in præc. Qu. citatos.*

36. UTR. *Vitri multiplici facie incisi ratio ex principiis opticis explicari possit?*

AFF.

*Robaulti Phys. L. i. c. 27. § 45.*

*Musschenbroek El. Phys. 8vo. C. xxxiv. § 723.*

*Sturmii Math. Juv. Diop. c. 4. § 4.*

37. UTR. *Ratio Microscopiorum ex principiis opticis explicari possit?*

AFF.

*Molyneux's Dioptr. p. 180.*

*Hugenii Op. Post. p. 221-233.*

S

De

*De Chales Cursus Math.* Vol. II. p. 673, 689.  
*Gravesande Elem. Phys.* L. iii. c. 12.  
*Robaulti Phys.* L. i. c. 33. § 15.  
*Ode Philos. Nat. Princ.* P. I. p. 272.  
*Wolfii El. Math. Univ.* Tom. II. p. 285-300.  
*Musschenbroek El. Phys.* 8vo. C. xxxiv. § 732.  
*Sturmii Coll. Curios.* P. I. Tentam. xv.  
*Rowning's Comp. Syst.* P. iii. Dissert. 3.  
*Gregory's Dioptr.* by *Browne*, Addend. vii.  
*Martin's Opticks*, P. iii. c. 5--9.  
*Smith's Opticks*, B. i. c. 4. a. 118, &c. B. ii.  
 c. 5-13. Rem. 153-158.

38. UTR. *Ratio Telescopiorum ex principiis  
opticis explicari possit?*

## AFF.

*Molyneux's Dioptr.* P. i. Pr. 50-57. P. ii. c. 2.  
*Hugen. Oper. Post.* p. 167-196.  
*Lowthorp's Abr. of Ph. Trans.* Vol. I. p. 189,  
 191, 193.  
*Hevelii Machina cœlestis*, Tom. I. c. 21.  
*Newtoni Optic.* L. i. P. i. p. 85.  
*Hartsoecker Tent. Dioptr.* c. 9. p. 108.  
*Musschenbroek El. Phys.* 8vo. C. xxxiv. § 736.  
*Smith's Opt.* B. i. c. 4. a. 120, &c. B. 2. c. 5,  
 7. Rem. 123.  
*Schotti Mag. Univ.* Tom. I. p. 488.  
 Vid. etiam *Auct. in præced. Quæst. citatos.*  
 De inventione Telescopii,  
 Vid. *Paschius de inventis novo-antiq.* p 523.  
*Borellus de invent. Telesc.* c. 11--14.  
*Smith's Opticks*, Rem. 103.

[De

[De mechanicâ Telescopiorum & Microscopiorum constructione & usu, vid. Smith's Opt. B. iii.]

39. UTR. *Ratio explicari possit, quomodo myopum & presbytarum oculorum vitiis à lentibus succurrendum est?*

## AFF.

Molyneux's Diopt. P. i. Pr. 28. P. ii. c. 3.

*De Chales Cursus Math.* Vol. II. p. 361-370.

*Robaulti Phys.* P. i. c. 33. § 18.

*Ode Princ. Phil. Nat.* P. I. p. 263.

*Kepler.* Diopt. Prop. 64.

*Dela Hire* in *Act. Er. A. D. 1695.* p. 497-501.

*Wolfii Elem. Math. Univ.* Tom. II. p. 72-83.

*Sturmii Philos. Elect.* Tom. II. Exerc. 10.

*Hamberg.* Dissert. Acad. iv.

*Gravesande Elem. Phys.* L. iii. c. 11.

*Helsham's Lect.* in *Nat. Phil.* L. xxii. p. 328.

*Martin's Opticks,* P. iii. c. 3.

*Voltaire's Elem. of Newton's Phil.* C. iv.

*Wells's Opticks,* C. iv. Schol. 20, 21, 22.

*Smith's Opticks,* B. i. c. 3. a. 88-89. R. 51-58.

[De conspicillorum inventione, vid. *Smith's Opticks*, Rem. 67.]

40. UTR. *Conspicilla tubulata, quo minus omnibus numeris perfecta construi queant, faciat diversa radiorum refrangibilitas?*

## AFF.

*Newtoni Opt.* L. i. Prop. 7. p. 66.

*Newtoni* Lect. Opt. P. i. S. 2. § 29.

— Princ. L. i. Prop. 98. Schol.

*Hugenii* Op. Post. p. 202.

*Clarkii* Not. ad *Robault.* Phys. P. i. c. 33. § 28.

*Pemberton's* View, p. 390.

*Lowthorp's* Abridg. of Ph. Tr. Vol. I. p. 189.

*Rowning's* Comp. Syst. P. iii. Diff. 3. p. 182.

*Martin's* Opticks, P. iii. c. 14. § 14--20.

*Smith's* Opticks, B. ii. c. 6. a. 340.

*Musschenbroek* El. Phys. 8vo. C. xxxiv. § 739.

[*Cartesiani* ad conspicillorum perfectionem  
tantum figuram vitrorum hyperbolicam requi-  
runt.

*Cartesii* Dioptr. c. 8, 9. § 5.]

#### IV. QUÆSTIONES CATOPTRICÆ.

41. UTR. *Reflexio luminis oriatur ex impac-  
tione ejus in solidas corporum particulas?*

##### AFF.

*Cartes.* Diopt. c. 2. § 1.

*Robaulti* Phys. P. i. c. 27. § 35.

*Sturmii* Math. Juv. Opt. S. ii. c. 1.

##### NEG.

*Newtoni* Optic. L. ii. P. iii. Prop. 8.

*Pemberton's* View, p. 339.

*Clarkii* Not. ad *Robault.* loc. cit.

*Musschenbrcek* El. Phys. 8vo. C. xxxv. § 742.

*Gravesande* El. Phys. L. iii. c. 13.

*Voltaire's*

*Voltaire's Elem. of Newton's Phil. C. ii, xiii.*  
*Vid. supra. Qu. 21.*

42. UTR. *Angulus reflexionis angulo incidentiæ æqualis esse debeat?*

## AFF.

*Cartes. Dioptr. c. 2. § 3.*

*Philos. Burgund. Tom. II. p. 954.*

*Robault. Phys. P. i. c. 15. § 3.*

*Ode Princ. Philos. Nat. P. I. p. 257.*

*Gregory's Catoptricks, Prop. 1.*

*De Chales Cursus Math. Tom. II. p. 535.*

*Barrovii Lect. Opt. L. ii. § 2.*

*Helfham's Lect. in Nat. Phil. L. xxiii. p. 336.*

*Whistoni Præl. Physico-Math. Pr. 55. p. 224.*

*Worster's Prin. of Phil. p. 228.*

43. UTR. *Speculorum proprietates ex principiis opticis explicari possint?*

## AFF.

*Robaulti Phys. P. i. c. 34.*

*De Chales Cursus Math. Vol. II. p. 542-606.*

*Tacqueti Catoptr. L. ii, iii.*

*Fr. de Lan. Mag. Nat. & Art. Tom. II. p. 140.*

*Wolfii El. Math. Univ. Tom. II. p. 125, &c.*

*Hamelii Histor. Acad. Reg. p. 144, 157, 183.*

*Acta Eruditor. Lipsiens. A. D. 1707. p. 139.*

*Ode Princ. Phil. Nat. P. I. p. 257.*

*Gravesande Elem. Phys. L. iii. c. 14, 15.*

*Worster's Nat. Philos. p. 232.*

*Rowning's*

*Rowning's Comp. Syft.* P. iii. c. 9, 10.  
*Helsham's Lect. in Nat. Phil.* L. xxiii.  
*Martin's Opticks,* P. i.  
*Wells's Opticks,* C. iii.  
*Smith's Opticks,* B. i. c. 2, 4, 5. B. ii. c. 2, 5, 12.  
 Rem. 255-308, 516.  
*Musschenbroek El. Phys.* 8vo. C. xxxv.  
*Sturmii Math. Juv. Catop.* p. 321.  
*Chambers's Dict.* ad vocem REFLECTION.

44. UTR. *Telescopia Catoptrica* \* *fint ad usus astronomicos dioptricis accommodatiora?*

AFF.

Præclarum hoc instrumentum à NEWTONI inventione originem duxit.

*Newtoni Optic.* L. i. Prop. 8. p. 90.  
*Lowthorp's Abr. of Phil.* Vol. I. p. 196-206.  
*Pemberton's View,* B. iii. c. 5. p. 393.  
*Rowning's Comp. Syft.* P. iii. Diff. 3. p. 185.  
*Martin's Opticks,* P. iii. c. 15.  
*Martyn's Abr. of Ph. T.* Vol. VI. P. i. p. 221.  
*Smith's Opticks,* Rem. 483.  
*Chambers's Diction.* ad vocem TELESCOPE.  
 [De Inventione hujus Telescopii,  
 Vid. *Smith's Opticks*, Rem. 131.  
 De ejusdem constructione & proprietatibus,  
*Smith's Opt.* B. i. c. 4. a. 125. B. ii. c. 7. a. 361.  
 Rem. 137-152, 612-692.  
 De Microscopiis Catoptricis & eorum præstantiâ,  
*Smith's Opt.* B. ii. a. 727. Rem. 538-611.]

\* Anglice, *Reflecting Telescopes.*

45. UTR. *Multiplex lucernæ imago in speculo  
plano apparens solvi possit ex principiis opticis?*

Cùm nemo Philosophorum, quem scio †, hoc Phænomenon explicuit, ejus solutionem reddere conabor.

Phænomenon sic se habet. Ponatur lucerna in tali situ ut ejus radii reflectantur ad oculum spectatoris ad angulum obliquum. Spectator observabit duas, tres, vel quatuor, aliquando etiam quinque, sex vel plures imagines in speculo, quarum una est maxime vivida, cæteræque minus minusque lucidæ, adeo ut ultima sit valdè languida & imperfecta.

Facile patet duas imagines reflecti à duabus vitri superficiebus, scil. maximè vividam ab ulteriori, proximam in splendoris gradu à citeriori. Et cùm in unoquoque radiorum ex uno in alterum medium transitu non omnis radiorum copia vel reflectitur, vel transmittitur, (utpote quidam sint in vice facilioris reflexionis, quidam in vice facilioris transmissus\*) ideo sequitur radios, qui sunt in vice facilioris reflexionis cùm egressuri sunt è citeriori vitri superficie, iterum reflecti debere, adeoque post tres reflexiones emergere, & ad oculum pervenire, tertiamque lucernæ imaginem depingere. Eodem modo alii erunt radii, quorum nonnulli non nisi post quintam reflexionem ad vitri superficiem pervenient in vice facilioris transmissus, unde quarta imago depin-

† Nuper mihi narravit vir doctus hoc Phænomenon explicatum dedisse *De la Hire* in *Memoires de l'Acad. A. D. 1669.* Sed mihi librum videre non contigit.

\* Vid. supra. Qu. 20.

getur.

getur. Alii iterum erunt, quorum nonnulli non nisi post septimam reflexionem emergent, & quintam efficient imaginem, & sic deinceps usque dum omnes vel reflectantur vel dispergantur radii.

Hanc solutionem tanquam ex conjecturâ solum propono. Non enim sufficiens datur experimentorum copia, ut firmo pede stabiliatur hæc hypothesis; mihi vero videtur omnia in hâc re Phænomena, quæ hactenus observata fuerunt, juxta Theoriam Newtonianam satis apte explicare.

[Vid. Eschinardi Cent. Prob. Opt. Pr. 5.

*Hobbes de Homine*, c. 5. § 2.

*Musschenbroek El. Phys.* 8vo. C. xxxv. § 755.

*Rowning's Com. Syst. P. iii. c. 10.* Noteb.

*Helfham's Lect. in N. Phil. L. xxiii. p. 339.*]

## V. QUÆSTIONES MISCELLANÆ OPTICÆ.

46. UTR. *Iridis Phænomena solvantur ex diversâ radiorum refrangibilitate?*

### A F F.

*Newtoni Optic.* p. 139.

— *Lectiones Opticæ*, P. ii. S. 2. p. 285.

*Whiston. Præl. Physico-Math.* p. 232—239.

*Pemberton's View*, p. 394.

*Clarkii Not. ad Robault. Phys.* P. iii. c. 17.

*Boyle's Works abridg'd by Shaw*, Vol. I. p. 143.

*Ode*

MISCELLANÆ OPTICÆ. 137

Ode Princ. Philos. Nat. P. II. p. 180.

Hamberg. Dissert. Acad. iii.

Gravesande El. Phys. L. iii. c. 21.

Halley in Philos. Transf. N°. 267. or,

Lowthorp's Abr. Vol. II. p. 195.

Rowning's Comp. Syst. P. iii. Dissert. 4.

Helsham's Lect. in N. Ph. L. xx. p. 305.

Voltaire's Elem. of Newton's Phil. C. xi.

Smith's Opticks, B. ii. c. 10.

Musschenbroek El. Phys. 8vo. C. xxxix. § 933.

Chamber's Dictionary ad vocem RAINBOW.

N E G.

Repetit Cartesius varietatem colorum Iridis a globulis secundi elementi circa centrum suum gyrrantibus.

Cartes. Meteor. c. 8.

Robaulti l. c.

Philos. Burgund. Tom. I. p. 1058.

Vult Gaffendus varietatem colorum a lucis ad nos reflectione cum variæ umbræ admistione du-  
cere.

Gaffendi Opera, Tom. II. L. ii. c. 6.

Chauvini Lexicon, ad vocem IRIS.

47. UTR. Iridis secundariæ internæ Phæno-  
mena explicari possint ex principiis opticis?

A F F.

Pemberton's View, p. 401.

Phil. Transf. N°. 375. or,

Martyn's Abr. Vol. VI. P. i. p. 122.

Smith's Opticks, B. ii. c. 10. a. 506.

T

De

De Parheliis, Paraselenis & ejusmodi Meteoris, vid. supra, Cap. 4. Qu. 4.

[48. UTR. Objectum per radios refractos aut reflexos visum in loco, unde radii pupillam ingessi divergunt, apparere debeat? sive,

UTR. Locus objecti per radios refractos aut reflexos visi à divergentiâ radiorum determinetur?

AFF.

Barrow Lect. Opt. L. v. § 20, & alibi passim.

De Chales Cursus Math. Vol. II. p. 539.

Robaulti Phys. P. i. c. 33, 34 passim.

Newtoni Optic. Ax. 8.

Molyneux's Dioptr. P. i. Pr. 31.

Musschenbroek El. Ph. C. xxxiv. § 719.

Heisham's Lect. in N. Ph. L. xxii. p. 330, &c.

Vid. etiam Rown. Comp. Syst. P. iii. c. 7. p. 74.

NEG.

Alhazzen & plerique veterum apparentem locum à concursu catheti incidentiæ cum radio ad oculum refracto vel reflexo determinant.

Locus ex apparenti magnitudine determinatur,

Smith's Opt. B. i. c. 5. a. 139-151. R. 197-308.

Vid. supra. Qu. 5.]

49. UTR. Præjudicio attribuendum sit, quod res objecta per lentem convexam visa valde propinqua videatur?

AFF.

A F F.

*Clarkii* Not. ad Rob. Phys. P. i. c. 33. § 7.  
*Berkley's* New Theory of Vision, § 30-40.  
*Helsham's* Lect. in Nat. Phil. L. xxii. p. 332.  
*Smith's* Opticks, Rem. 209, & seqq.  
*Rowning's* Comp. Syst. P. iii. c. 7. p. 80.

A M B I G.

*Barrow* Lect. Opt. xviii. sub finem.  
*Tacquet* Catoptr. L. iii. Prop. 22.  
*Molyneux's* Dioptr. P. i. Prop. 31. S. 9.

50. UTR. *Apparens oceanii ascensus a litore  
solvi possit ex principiis opticis?*

A F F.

*Varen.* Geogr. Gener. L. iii. c. 13. Prop. 3.  
*Sturmii* Math. Juv. Opt. c. 9. § 11.  
*Smith's* Op. B. i. c. 5. a. 156. ubi etiam plura  
hujusmodi videas.

51. UTR. *Crepusculi Phænomena solvi possint  
ex principiis opticis?*

A F F.

*Varen.* Geo. Gen. L. iii. c. 19. Prop. 36, 37, 38.  
*Keill* Intr. ad Astronom. L. xx.  
*De Chales* Cursus Math. Vol. III. p. 312.  
*Gregorii* Astron. L. ii. Pr. 8.  
*Smith's* Opticks, Rem. 380.

52. UTR. Cameræ obscuræ Phænomena ex principiis opticis solvi possint?

## AFF.

Sturm. Coll. Cur. P. i. T. ii. xvi. Auct. p. 11.  
 — Math. Juv. Opt. S. i. c. 3.  
 Honorat. Fabri Synops. Opt. p. 34.  
 De Chales Cursus Math. Vol. II. p. 345.  
 Molyneux's Dioptr. p. 36.  
 Ode Prin. Philos. Nat. P. I. p. 233.  
 Wolfi El. Math. Tom. II. p. 243.  
 Gravesande Elem. Phys. L. iii. c. 10.  
 Smith's Opticks, B. i. c. 2. a. 67. B. 3. c. 15.  
 Martin's Opticks, P. iii. c. 4.  
 Rowning's Comp. Syst. P. iii. p. 210.  
 Helsham's Lect. in Nat. Phil. L. xxi. p. 313.  
 Muffchenbroek El. Phys. 8vo. C. xxxv. § 774.

53. UTR. Laternæ magicæ Phænomena ex principiis opticis solvi possint?

## AFF.

Wolfi Math. Elem. Tom. II. p. 305.  
 Gravesande Elem. Phys. L. iii. c. 16.  
 Ode Princ. Philos. Nat. P. I. p. 235.  
 Molyneux's Dioptr. P. i. Pr. 59.  
 Sturmii Coll. Cur. P. i. Tent. xvi.  
 — Math. Juv. Dioptr. App. a. 2, 3.  
 Martin's Opticks, P. iii. c. 18.  
 Smith's Opt. B. iii. c. 17.  
 Rowning & Muffchenbroek loc. cit.

[Varios

[Varios alios miras rerum repræsentationes secundum principia optica fingendi modos ostendit.

*Schotti* Mag. Univ. Tom. I. passim.]

54. UTR. *Lunæ Horizontalis Phænomena ex principiis opticis solvi possint?*

Varias Hypotheses excogitarunt Philosophorum ingenia, ut hujuscce Phænomeni solutionem reddant.

I. Principem locum obtinet Hypothesis *Cartesiana*; quæ in eo fundatur, quod occurrant inter Lunam juxta Horizontem versatam & oculos nostros diversa objecta, quæ judicium de distantia melius informant; unde longius diffusa videtur, & ea propter major.

*Cartes.* Dioptr. c. 6. § 21.

*Malebranche's Search after Truth*, B. ii. p. 263.

*Robault.* Phys. P. i. c. 32. § 23.

*Gravesande* Elem. Phys. L. iii. c. 11.

*Musschenbroek* El. Phys. 8vo. C. xxxiii. § 716.

[qui tamen ambigit, & plures causas concurrens supponit.]

Eidem adsentitur & pleniùs explicat *Wallisius*.

Philos. Trans. N° 187.

*Lowthorp's Abr. of Ph. Tr.* V. I. p. 225.

*Miscell. Curios.* Vol. II. p. 263.

Phil. Trans. Vol. XXXIX. N°. 444. p. 404.

II. Ex dilatatione pupillæ oculi ob debiliorem lunæ horizontalis lucem solvit *Gassendus*.

Vid.

Vid. Epistolas quatuor in Oper. Tom. III.

*Scheiner de Oculo.*

*De Chales Cursus Math. Tom. II. p. 730.*

III. Causam ex eo oriri vult *Hobbesius*, quod cum oculus sit in superficie non in centro terræ, magis distet ab Horizonte, quam à summo culmine.

*Hobbes de Homine, c. 3. § 7. & c. 7. § 7, 8.*

IV. Solvit *Ricciolus* ex eo quod angulus horizontalis major sit verticali.

— *Almag. Nov. L. x. S. 6.*

V. Sunt, qui refractioni attribuunt.

*Roger. Bacon. Perspect. P. iii. dist. 2. c. 4.*

*Petzani Perspect. commun. L. iii. Prop. 12.*

Aliique quos recenset *Ricciolus* in loc. citat.

Omnes hasce solutiones ad examen revocat, & funditus evertit *Molyneuxius* in *Act. Philos. in loc. supra* citat.

Vid. *Lowthorp's Abr. Vol. I. p. 221.*

[VI. Debiliori lunæ horizontalis luci tribuitur.

*Berkley's New Theory of Vision, § 68.*

VII. Ex apparenti Cœli figurâ, quæ hemisphærio minor est, solvitur.

*Smith's Opt. B.i.c. 5. a. 164. R. 302, 328-343.*

*Rowning's Com. Syst. P. iii. Dissert. 1.*

*Desaguliers in Ph. Tr. Vol. XXXIX. N°. 444.*

*p. 390.*

Atqui hinc oritur alia Quæstio.

55. UTR. *Apparens Cæli figura solvi possit ex principiis opticis?*

AFF.

*Smith's Opticks*, a. 162. Rem. 321.

*Rowning's Comp. Syst.* loc. cit. p. 96.

\**Sturmii Math. Juv. Astron. Sect. iv. Qu. 4.*]

[56. UTR. *Stellæ justo majores nudo oculo appareant propter diffipationem radiorum?* †

AFF.

*Jurin in Smith's Opticks, Essay*, a. 61.

Vid. etiam *Scheineri Oculus*, L. iii. P. 2. c. 6.

*Barrow Lect. Opt.* L. xiii. § 29.

NEG.

Vividæ & vegetæ eārum luci tribuitur.

*Cartes. Dioptr.* c. 6. § 22.

*Robault. Phys.* P. i. c. 32. § 26.

*Whistonii Præl. Astr.* L. iii. Ph. 4.

Ex radiis adventitiis à palpebris reflexis, aut per humorem eis adhærentem refractis, solvitur.

*Galilei Systema Cos.* 4to. Dial. iii. p. 248.

57. UTR. *Stellarum scintillatio tremulo aëris motui debeatur?*

[\* Libet hīc in gratiam Tyronum adnotare, *Sturmium* loc. cit. & *Opt.* c. 10. Qu. 2. eundem in diagrammate describendo errorem admisisse, quem *Molyneuxius* in *Hobbesi* solutione animadvertisit.]

† Idem de illuminatâ Lunæ parte ~~in~~ <sup>in</sup> aīlunium facile intelliges,

AFF.

## AFF.

*Sturm.* Math. Juv. Astr. Sect. iv. Qu. 6.  
*Newtoni* Opt. L. i. P. i. Pr. 8.  
*Whistoni* Prael. Astron. L. iv. Ph. 9.  
*Smith's Opticks*, Rem. 387.

## NEG.

Aliæ assignantur causæ.  
*Riccioli* Alm.. Nov. Tom. I. P. i. L. 6. p. 396.  
*Tacquet.* Astron. L. v. N. 29.  
*De Chales* Cursus Math. Vol. III. p. 469.  
*Brigg.* Ophthalmogr. c. 3. § 10.  
*Jurin's* Essay (in *Smith's Opticks*) a. 221.  
*Hevelii* Cometograph. L. vii. p. 373.  
 —— Selenograph. p. 38, 286.

## CAPUT



## C A P U T VIII.

### Q U A E S T I O N E S A S T R O N O M I C A E.

#### I. *De SYSTEMATE MUNDANO.*

I. **U**TRUM *Systema Copernicanum sit verum mundi systema?*

A F F.

*Nic. Copern.* in Revol. Orb. Cœlest. L. i. c. 10.

*Galilei Systema Cosmicum*, Dial. ii, iii.

*Gassendi Inst. Astron.* L. iii.

*Clerici Phys.* L. i. c. 2, 3.

*Le Grand Institut. Phil.* P. vi. c. 2, 3, 4.

*Varenii Geograph.* L. i. c. 5.

*Keill Introd. ad Astronom.* L. iii, iv.

*Derbam's Astro-Theology*, Prelim. Disc.

*Gravesande Elem. Phys.* L. iv.

*Whiston's Prælect. Astron.* p. 233.

— Astronom. Princ. of Rel. P. ii, iii.

*Matho*, Vol. I. Conf. ii, iii. &c (ut verbo complectar) fere quotquot inter recentiores & melioris notæ Philosophos numerantur.

Tria notissima systemata, scil. *Ptolemæi*, *Copernici*, & *Tychonis* exponunt

*Riccioli Almag.* Nov. Tom. I. P. ii. L. 9. § 3.

*De Chales Cursus Math.* Vol. III. p. 285. &c.

*Luyts Astron. Institut.* p. 202.

U

*Sturm.*

*Sturm. Math. Juv. Vol. II. Astr. Sect. iii. c. 4.*

*Gregor. Astron. L. i. Sect. 11.*

*Cartes. Princ. P. iii.*

*Robaulti Phys. P. ii.*

*Cde Princ. Philos. Nat. P. II. p. 245.*

*Buddei Philos. Theor. P. iv. c. 1.*

*Philos. Burgund. Tom. II. p. 938.*

*Wells's Astronomy, p. 1.*

[*Quicquid è contra pro parte negativâ afferri solet apud eosdem auctores reperias.*]

2. UTR. *In sistema mundanum admittendi sint orbes solidi & epicycli?*

#### A F F.

*Qui Ptolemaei sistema tuentur.*

*Vid. Gassendi Astron. L. ii. c. 3. aliosque supra citatos.*

3. UTR. *Planetæ in orbitis deferantur ope materiæ fluidæ in modum vorticis circumgyrantis?*

#### A F F.

*Cartesii Princ. P. iii. § 31. & passim.*

— *Epist. passim.*

*Senguerdi Philos. Nat. P. ii. c. 2. § 6.*

*Andala, P. iii, Exerc. 11.*

*Sturm. Philos Elect. Tom. II. p. 1024.*

*Robault. Phys. P. ii. c. 25.*

#### N E G.

*Newtoni Pr. Math. L. ii. S. 9. iii. Pr. 42. Sch.*

— *Optic. Qu. ult.*

*Pemberton's View, B. ii. c. 1. p. 167.*

*Clark.*

SYSTEMATE MUNDANO. 147

Clark. Not. ad *Robault*. loc. cit.

Gregor. Elem. Astron. L. i. Sect. 10.

Whiston's Præl. Phys. Math. Prop. 68, 69, &  
p. 327.

Gravesande Elem. Phys. L. iv. P. ii. c. 12.

Clerici Phys. L. i. c. 4, 6.

Ode Princ. Philos. Nat. P. II. p. 258.

Voltaire's Elem. of Newton's Phil. C. xvi.

Cheyne's Phil. Prin. P. i. c. 2. § 19-22.

Keill Introd. ad Astron. L. xviii. de Cometis.

Utramque Theoriam breviter exponit

Maupertuis de figuris corporum cœlestium.

Vid. Keill's Remarks on Burnet's Theory,  
2d Edit, Dissertat. ad calcem.

4. UTR. *Planetæ retineantur in orbitis vi gravitatis & motu projectili?*

AFF.

Newtoni Princ. L. iii.

Pemberton's View, B. ii. c. 2.

Domckii Philos. Newton. Tom. II. p. 37.

Whiston's Theory of the Earth, B. i.

— Prælect. Phys. Math. Lect. xii, &c.

Cheyne's Philos. Prin. P. i. c. 2. § 25.

Derham's Astro-Theol. B. vi.

Musschenbroek El. Phys. 8vo. C. xiv.

Voltaire's El. of Newt. Ph. C. xviii, xix, xxiii.

Gregor. Astron. L. i. § 7, 8, 9.

Helsham's Lect. in Nat. Philos. L. iii.

Worster's Nat. Philos. p. 47-58, 68.

Matho, Vol. I. Conf. iv. Vol. II. Conf. vii, viii, x.

U 2 Ad-

Adjungas auctores supra citat.

NEG.

Qui affirmant in Qu. præc.

5. UTR. Planetæ fint habitabiles?

AFF.

Derham's Astro-Theol. Prelim. Disc.

Huygen's Planetary Worlds; vel Cosmoteoros  
in Oper. 4to, p. 645.

Fontenelle's Plurality of Worlds.

Cheyne's Phil. Princ. P. i. c. 5. §. 19.

Matho, Vol. II. Conf. ix, x.

Vid. etiam Gregorii Astron. L. vi.

NEG.

Jenkins's Reaf. of Ch. Rel. Vol. II. C. x. p. 223.

De Lunâ habitabili vid. porro, Qu. 13.

6. UTR. Planetarum stationes & regressiones  
ex motu apparenti solvantur?

AFF.

Keill Intr. ad Astronom. L. xv, xvi.

Le Grand Inst. Phil. P. v. c. 19.

Galilei Systema Cosm. 4to. Dial. iii. p. 253.

Sturm. Math. Juv. Vol. III. Theo. Astr. S. ii.  
c. 6. Q. 9-12.

Whiston's Præl. Astron. Pr. xvi. Ph. 3, & seqq.  
xxiii. Ph. 7.

Gregor. Astron. L. i. Pr. 4, 7. iii. Pr. 37.

Wells's Astron. C. vi.

Gravesande Elem. Phys. L. iv. P. i. c. 2, 4, 5.

NEG.

N E G.

Qui Epicyclos tuentur. Vid. supra, Qu. 2.

7. UTR. Planetæ moveantur in ellipsibus umbilicum babentibus in centro solis?

*Copernicus* Planetas in circulis moveri statuit.  
Vid. supra, Qu. 1.

*Keplerus* eorum orbitas ellipticas esse invenit.  
— De motibus Stellæ Martis.

*Newtonus* illorum motuum causas Physicas  
primus explicuit.

— Princ. Math. L. iii. Prop. 13.

Conf. Auctores citat. in Qu. 3, 4.

II. De SOLE.

8. UTR. Motus solis circa proprium axem ex  
motu ejus macularum colligi possit?

A F F.

*Riccioli* Almag. Nov. Tom. I. p. 98.

*Keill* Intr. ad Astronom. Lect. v.

*Le Grand* Inst. Philos. P. v. c. 16.

*Ode* Princ. Philos. Nat. P. II. p. 5.

*Hevelii* Selenograph. C. v.

*Derham's* Astro-Theol. B. iv. c. 3.

*Smith's* Opticks, Vol. II. B. iv. c. 1.

N E G.

Sunt, qui maculas volunt esse Planetas à sole  
haud multum remotos.

*Guerickii*

Guerickii Syst. Mundi, L. i. c. 13.

Schotti Prælus. in Itin. Kircheri, p. 184.

[Eas autem esse in ipsa superficie corporis solaris probatur, Scheiner. Rosa Ursina, L. iv. p. 537. apud quem videoas etiam earum phænomena, &c.]

9. UTR. *Maculæ solares* *sint nubes ex concretis solis exhalationibus conflatae?*

AFF.

Renaldinus in Act. Erud. Sup. Tom. II. p. 451.

Hooke in Act. Erud. A. D. 1707. p. 151.

Wolfii El. Math. Univ. Tom. II. p. 461.

Galilei Systema Cosm. 4to. Dial. i. p. 34.

Tacquet. Astron. L. viii. Tr. 3. N. 7, 8, 9.

Jones's Abr. of Ph. Tr. Vol. IV. p. 238.

Aliique quos memorat Schottus in loc. cit.

10. UTR. *Soli competit atmosphæra?*

AFF.

Hevelii Cometograph. L. vii. p. 361.

Gregorii Astron. L. v.

Newtoni Princ. p. 514.

Philos. Tr. Vol. XXXVIII. N° 431. p. 246.

Voltaire's Elem. of Newton's Phil. C. xxiv.

Vid. infra, Qu. 35.

11. UTR. *Eclipsis solaris oriatur ab interpolatione Lunæ?*

AFF.

Whiston. Præl. Astron. L. xii, xiv.

Wolfii

*Wolfi* El. Math. Univ. Tom. II. p. 579.  
 Cæterique qui Astronomiam tractârunt.  
 [Historiam Eclipſium composuit *Ricciolus* in  
 Almag. Nov. Tom. I. P. i. L. 5. c. 19.]

12. UTR. *Optima methodus inveniendi solis  
 distantiam fit à Martis parallaxi?*

AFF.

*Keill* Intr. ad Astron. L. xxii.  
*Whiston* Prælect. Astron. L. vii.  
 Alia methodus à Lunâ dichotomâ petita est,  
 quam plerique veterum sequuntur.  
*De Chales* Cursus Math. Vol. III. p. 418.  
*Riccioli* Almag. Tom. I. P. i. L. 3. c. 7.  
*Tacquet*. Astron. L. iii. c. 3.  
 Utramque exponit *Ode Pr. Ph. N. P. II.* p. 13.  
 [At ex observatione Veneris per solis discum  
 transcurrentis (Anno 1761) solis distantiam ac-  
 curatius investigandi methodum exposuit  
*Halley* in *Jones's Ab. Ph. T. Vol. IV. P. i. p. 213.]*

### III. De LUNA.

13. UTR. *Luna sit habitabilis?*

AFF.

*Hevelii* Selenograph. C. vi. p. 119.  
*Derham's Astro-Theol.* Prelim. Disc. p. 49.  
*Bentley's Boyle's Lectures*, Sermon viii.  
*Wolfi* Elem. Math. Tom. II. p. 472.  
*Pascius de Novo-Invent.* p. 517.  
*Ode Princ. Phil. Nat. P. II.* p. 198.  
*Wilkins's Discovery of a New World.*

AMBIG.

## AMBIG.

*Sturmii* Phys. Elect. Tom. II. p. 894.  
Reflections on Learning, c. 8.

14. UTR. *Luna circa proprium axem revolvatur?*

## AFF.

*Ode Princ. Philos. Nat.* P. II. p. 201.  
*Keill* Intr. ad Astron. Lect. x.  
*Whiston* Præl. Astron. L. ix. Ph. 16.  
*Gregor.* Astron. L. i. Pr. 30. L. iv. Pr. 56.  
*Gravesande* Elem. Phys. L. iv. c. 7.

## NEG.

[*Hevelii* Cometograph. L. vii. p. 430.  
— Selenograph. p. 237, 301. qui tamen  
ubique agnoscit eandem fere Lunæ faciem Tel-  
luri semper obverti.]

15. UTR. *Luna atmosphærâ circumdetur?*

## AFF.

*Wolfii* Elem. Math. Tom. II. p. 465.  
*Ode Princ. Phil. Nat.* P. II. p. 195.  
*Derham's Astro-Theol.* Prelim. Disc. p. 49.  
*Chambers's Diction.* ad vocem MOON.  
*Kepler.* Epit. Astr. L. i. p. 57. L. iii. p. 893.  
*Hevelii* Cometograph. L. vii. p. 363.  
*Galilei* Nuncius Sidereus, p. 23.  
*De Chales* Cursus Math. Vol. III. p. 364.  
*Wilkins's Discovery of a New World*, Pr. x.  
*Whiston's*

Whiston's Astron. Princ. of Rel. P. iii. p. 68.

## NEG.

Hugen. Cosmooth. L. ii. p. 114.

Acta Eruditor. A. D. 1706. p. 33.

Keill Intr. ad Astron. L. x.

Smith's Opticks, B. iv. c. 3. a. 1088.

[16. UTR. *Phases Lunæ per Telescopium vi-  
sæ ex principiis opticis & astronomicis explicari  
possint?*]

Vid. Hevelii Selenograph. C. viii-liv.

Riccioli Almag. Nov. T. I. P. i. p. 203.]

17. UTR. *Lunæ partes obscuriores sint aquæ?*

## AFF.

Hevelii Selenogr. C. vi. p. 149.

Galilei Syst. Cosm. Dial. i. p. 88.

Sturm. Phys. El. T. II. p. 56.

Derham's Astro-Theol. loc. cit.

Gassendi Phys. L. iv. S. 2. c. 3.

Cassinius apud Fontenelle de Mund. Plural. p. 42.

Hon. Fab. Phys. Tract. viii. L. i. Pr. 65.

Wilkins's Discovery of a New World, Pr. viii.

Whiston's Astron. Princ. loc. cit.

## NEG.

Hugen. Cosmooth. p. 114.

Keill Introd. ad Astron. Lect. x. p. 117.

Smith's Opt. B. iv. c. 3. a. 1077.

18. UTR. *Lunæ cum Sole fere conjunctæ lux secundaria à terrâ proveniat?*

AFF.

*Riccioli* Almag. Nov. Tom. I. P. i. p. 199.

*Rohaulti* Phys. P. ii. p. 214.

*De Chales* Cursus Math. Vol. III. p. 367.

*Keill* Intr. ad Astron. Lect. ix.

*Cartes.* Princ. P. iii. § 12.

*Ode* Princ. Philos. Nat. P. II. p. 206.

*Galilei* Syst. Cosm. 4to. Dial. i. p. 45, 63, 69.

*Tacquet* Astron. L. viii. Tr. 3. N. 3.

*Sturm* Math. Juv. V. III. Th. Astr. S. ii. c. 2.

Q. 7, 8.

*Whiston* Præl. Astron. L. viii. Ph. 5.

*Hevelius* in Act. Eruditor. A. D. 1682. p. 109.

— Selenograph. C. xii. p. 288. xiii. p. 304.

xxxviii. p. 400.

19. UTR. *Luna deficiens atmosphæræ terrefris umbrâ obscuretur?*

AFF.

*Whiston* Prælect. Astron. L. xii. p. 140.

*Tacquet* Astron. L. iv. n. 17.

*Riccioli* Almag. Nov. T. I. P. i. L. v. p. 305.

*Kepleri* Astron. Opt. p. 268.

*Ode* Princ. Philos. Nat. P. II. p. 205..

20. UTR. *Motus Lunæ libratorius ex ipsius motu diurno [circa axem suum & menstruo circa Terram] oriatur?*

AFF.

## AFF.

*Newtoni* Princ. L. iii. Prop. 17.

*Keill* Introd. ad Astron. L. x.

*Gravesande* El. Phys. L. iv. c. 7.

*Gregor.* Astron. L. iv. Pr. 58.

*Mercator.* Astron. p. 285.

*Whiston* Præl. Astron. L. ix. Ph. 17.

— Præl. Phys. Math. L. xxxvi. Pr. 92.

## NEG.

[*Riccioli* Almag. Nov. T. I. P. i. p. 214.

*Hevelii* Selenograph. C. viii. p. 238.

— de Motu Lunæ libratorio. p. 46.\*

*Galilei* Syst. Cosm. Dial. i.

21. UTR. *Causa Physica assignari possit, quare eadem ferè Lunæ facies Telluri semper obvertitur?*

## AFF.

*Cartesius* causam in eo ponit, quod pars Lunæ à nobis averfa majori soliditate polleat, quam illa, quæ nobis obvertitur.

— Princip. P. iii. § 152.

*Sturm.* ab æthereo quodam vortice circa Lunam versato solvit.

— Phys. Elect. Tom. II. p. 915.

[*Newtoniani* à figurâ Lunæ sphæroidicâ causam repetunt.

[\* *Ricciolum & Hevelium* pro parte *negativa* citare non dubitavi, quamvis hypothesin à jam receptâ non longe diversam proponant. Sunt enim hypothesi adeò diffidunt, ut eam improbare videantur.]

*Newtoni* Princip. L. iii. Pr. 38. Cor.

*Whistoni* Prælect. Physico-Math. L. xxxviii.  
Pr. 102. Cor.

*Gravesande* Elem. Phys. L. iv. c. 21.]

22. UTR. *Inæqualitates motuum lunarium solvi possint ex theoriâ gravitatis?*

AFF.

*Newtoni* Princ. L. i. Prop. 66. p. 170.

*Pemberton's View*, B. ii. c. 3.

*Gregor.* Astron. L. iv.

*Whistoni* Prælect. Physico-Math. L. xviii-xx.

*Domckii* Philos. *Newtonian.* Tom. II. p. 82.

*Gravesande* Elem. Phys. L. iv. c. 16.

NEG.

[Varias hypotheses finxerunt veteres Astronomi, quibus has inæqualitates explicarent. Eorum præcipuas exposuit

*Ricciolus* in *Alm. Nov. T. I. P. i.* p. 247-285.]

23. UTR. *Lunæ autumnalis\* Phænomena solvantur ab inclinatione orbitæ lunaris ad Horizontem?*

Cum nullus mihi occurrat auctor, qui hujuscemodi Phænomeni fere ab omnibus observatis solutionem reddidit, me haud inutilem tyronibus operam præstitum esse duco, si id breviter explicatum dedero.

Notissimum est lunam tempestate autumnali, cum juxta oppositionem versetur, vel ad eun-

\* Vulgo, *The Harvest-Moon.*

dem temporis articulum (ut in borealibus regionibus fieri potest) vel paulo tardiùs de nocte in noctem oriri. Id vero ex eo fit, quod lunaris orbita vel ecliptica (quas impræsentiarum coincidere supponatur) tunc temporis horizontem intersecet angulo omnium minimo. Etenim ponatur Sol in *Libra* & circa Horizontis partem occidentalem, Luna in *Ariete* & circa orientalem. Perficiatur integra telluris rotatio; ea perfecta, eundem quem prius inter se situm obtinere debent Ecliptica & Horizon: sed cum Luna interim in orbita, *i. e.* in consequentia promoveatur, ideo infra Horizontem deprimetur, unde eam quotidie tardiùs oriri oportet. Liquidò autem constat hanc depressionem eò minorem esse, quò minore angulo ecliptica horizontem intersecat. Cum igitur angulus iste sit tempore æquinoctii autumnalis omnium minimus, ideo fit quod differentia temporis inter successivos lunares ortus tunc erit omnium minima.

Hactenus supposuimus lunarem orbitam cum ecliptica coincidere, cum autem reverà ab ea declinat ad angulum circiter quinque graduum, varia erit differentia memorata pro vario nodorum situ. Si nodus ascendens primum *Arietis* gradum, *i. e.* horizontem orientalem occupet, angulus inter horizontem & orbitam lunarem comprehensus quinque gradibus minor erit, quam si Luna Eclipticam occupaverit, ideoque differentia in hoc casu erit omnium minima, & fere nulla: pari ratione major erit pro majori distantia nodi ab hoc punto.

IV. *De Tellure.*

24. UTR. *Telluris figura sit sphæroidica?*

Terram globosam dixisse primus fertur *Parmenides*.

*Diog. Laert.* L. x. S. 21.

Quam opinionem, adductis rationibus, tueruntur

*Aristoteles De Cœlo*, L. ii. c. 14.

*Tacquet. Astron.* L. i. N. 3.

*Riccioli Almag. Nov. Tom. I. P. i. L. 2. c. 1.*

*Whiston Præl. Astron.* L. ii.

Eam non esse exactè sphæricam, sed sphæroidicam, adeo ut maxima diameter per æquatorem transeat, probarunt

*Hugen. in Discursu de causis gravitatis*, p. 154.

*Newtoni Princip. L. iii. Prop. 19. p. 412.*

*Clerici Phys. L. i. c. 8.*

*Ode Princ. Phil. Nat. P. II. p. 34.*

*Gravesande Elem. Phys. L. iv. c. 17.*

*Whiston Præl. Phys. Math. L. xxxvi. Pr. 93.*

*Varen. Geograph. English'd by Shaw, Vol. I. B. i. c. 3. p. 28. Note b.*

*Hook's Posth. Works*, p. 349, 356, 371, 455.

*Keill's Examin. of Burnet's Theory*, p. 258.

*Maupertuis's Dissert. ibid. Ed. 2. ad calcem.*

*Gregorii Astron. L. iii. Pr. 52.*

*Martyn's Abridg. Vol. VI. P. i. p. 363-400.*

*Stirling in Phil. Tr. V. XXXIX. N° 438. p. 98.*

Vid. *Derham. ibid. N° 440. p. 201. & in Jones's Abridg. Vol. IV. P. ii. p. 171.* qui, quoad argumentum

gumentum à Pendulorum Vibrationibus duc-  
tum, aliquantulum *ambigere* videtur.

*Clairaut.* *ibid.* Vol. XL. N° 445. p. 19. N°  
449. p. 277.

The Figure of the Earth determined, by the  
Observations of *Maupertuis*, &c.

Quidam sunt Philosophi, qui maximam tel-  
luris diametrum per polos transire docent.

*Burnet's Theory of the Earth.*

*Histoire de l'Acad.* p. 433.

*Becmanni Histor.* *Orbis Terr.* c. 1. § 10.

*Eisenschmid.* *Diat.* de Fig. Tell. p. 5.

*Cassini* in *Mem. de l'Acad.* *Ann. 1713, 1718.*

*Marian.* *Mem. de l'Acad.* 1720.

25. UTR. *Telluris figura, situs vel inclinatio  
axis ad Eclipticam in melius mutari possint?*

Numero penè infiniti sunt auctores, qui hanc  
materiam cum laude tractarunt. Præcipuos no-  
minare satis duco.

*Ray on the Creation.*

*Derham's Astro-Theol.*

*Nieuwentyt's Religious Philosopher.*

*King de Origine Mali*, Cap. 4. S. 5.

*Law's Notes, ibid.*

*Cheyne's Ph. Princ. of Reli.* P. i. c. 5. § 24-27.

*Bentley's Boyle's Lect.* Serm. viii.

*Grew's Cosmologia Sacra.*

*J. Clarke's Boyle's Lectures.*

Antediluvianum telluris statum præsenti præ-  
ferendum esse contendunt *Whistonus* & *Burnet-*  
*tus*. Quorum Theorias ad examen revocat,  
& multo cum ingenio refellit *Keill*.

Vid.

Vid. Exam. of Burnet's and Whiston's Theor.

Vid. supra, Cap. 2. Qu. 29.

26. UTR. *Tellus rotetur circa axem?*

AFF.

Cheyne's Philos. Princ. P. i. c. 5. § 21.

Et quotquot sunt, qui sistema Copernicanum  
tuentur. Vid. supra, Qu. 1.

[Adeas insuper si placet, pro parte *negativa*,  
Riccioli Astron. Reform. p. 81. & Almag. Nov.  
L. ix. Sect. 4.

27. UTR. *Apparens stellarum fixarum motus  
in consequentia ex motu conico axis Telluris in an-  
tecedentia oriatur?*

AFF.

Keill Intr. ad Astron. L. viii.

Whistoni Præl. Astron. L. iii. Ph. 2.

Gravesande El. Phys. L. iv. c. 9.

NEG.

Ptolemaici hunc esse verum & proprium ea-  
rum motum contendunt.

Vid. Ricci. Alm. Nov. T. I. P. i. p. 165, 444.]

28. UTR. *Præcessionis punctorum æquinoctiali-  
um causa Physica recte exponatur à NEWTONO?*

AFF.

Newtoni Princ. Math. L. iii. Prop. 21, 39.

Gregor. Astron. L. i. Prop. 64.

Whistoni Præl. Physico-Math. L. xxi. Pr. 42.

Gravesande

*Gravesande* Elem. Phys. L. iv. c. 18.

Conf. Auctores citat. ad Qu. 3, 4.

29. UTR. *Motus Telluris annuus ex Parallaxi stellarum fixarum probari possit?*

AFF.

*Hooke's Attempt to prove the Motion of the Earth.*

*Cassini* in Mem. de l'Acad. An. 1717.

*Wallis.* Opera Math. Vol. III. p. 701.

*Whiston* Præl. Astron. L. iv.

— Prælect. Physico-Math. L. xxi. Pr. 42.

Cor. 5.

NEG.

*Riccioli* Almag. Nov. T. I. P. i. p. 414, &c.

*Gregor.* Astron. L. iii. Pr. 55. Schol.

\**Bradley* in Ph. Tr. N° 406. or,

*Martyn's Abridg.* Vol. VI. P. i. p. 149. or,

*Smith's Opticks*, B. iv. c. 7. a. 1177, &c. or,

*Desaguliers's Exp. Phil.* Vol. I. p. 384.

## V. MISCELLANÆ ASTRONOMICÆ.

30. UTR. *Hugenii Hypothesis ad explicanda Saturni Phænomena recte excogitetur?*

[\* Qui tamen ex iisdem observationibus, quibus veram fixarum parallaxin insensibilem esse deprehendit, motum Telluris annuum verissimilimâ saltem conjecturâ confirmavit.]

Y

AFF.

## AFF.

*Hugen.* System. Saturn. p. 45. in Oper. 4to,  
p. 535.

*Riccioli* Astron. Reform. p. 367.

*Whiston* Præl. Astr. L. xxii.

Vid. *Jurin*, in *Smith's Opt. Essay*, a. 189-194.

## NEG.

[Annulum Saturni ex magno Satellitum numero constare supponit

*Voltaire's El. of Newton's Ph.* C. xxiii. p. 309.]

31. UTR. *Causa variarum annuli Saturni Phænum vera assignetur ab Hugenio?*

## AFF.

*Hugen.* System. Saturn. in Oper. p. 571.

*Gregor.* Astron. L. iv. Pr. 69.

*Smith's Opticks*, Vol. II. B. iv. c. 6.

## NEG.

*Riccioli* Alm. Nov. T. I. P. i. L. vii. p. 487.

*Hevelius* de annulo Saturni.

*Gallet* in *Act. Erud. Lips.* An. 1684, cuius hypothesin refutatam videas in *Molyneux's Diopt.* P. ii. c. 6.

32. UTR. *Successiva lucis propagatio ex eclipsibus Satellitum Jovis colligi posset?*

## AFF.

*Whiston* Præl. Astron. p. 227.

*Lowthorp's*

MISCELLANÆ ASTRONOMICÆ. 163

Lowthorp's Abridg. Vol. I. p. 409-422.

Jones's Abridg. Vol. IV. P. i. p. 306.

Keill Intr. ad Astron. L. xvi. p. 222.

Smith's Opticks, Vol. II. B. iv. c. 5. a. 1119.

33. UTR. *Cometæ sint Meteora?*

AFF.

Plerique Veteres.

Aristot. Meteor. L. i. c. 6.

Plutarch. de Placit. Philos. L. iii. c. 2.

NEG.

[Riccioli Alm. Nov. Tom. I. P. ii. p. 45.

Hevelii Cometograph. L. ii.

Quibus addas Cartesianos & Newtonianos.

Vid. Qu. seq.

34. UTR. *Cometæ sint genus Planetarum in orbibus valde eccentricis circa Solem revolventium?*

NEG.

Riccioli Alm. Nov. Tom. I. P. ii. p. 42.

Kepler. Astron. Opt. c. 10.

— Histor. Cometar. Ann. 1607, 1618.

Hevelii Comet. L. ix. p. 562. & alibi passim.

Cartesii Princ. P. iii. § 119-132.

Sturm. Math. Juv. Theor. Astr. S. iii. c. 3.

AFF.

Senec. Nat. Quæst. L. vii. c. 3, 22.

Newtoni Princ. L. iii. Pr. 40.

Whiston Præl. Physico-Math. p. 319, &c.

*Whiston's Solar Syst. Tab. æri incisa.*

*Keill Intr. ad Astron. L. xviii.*

*Gregorii Astron. L. i. Pr. 35. L. v.*

*Ode Princ. Philos. Nat. P. II. p. 233.*

*Clerici Phys. L. i. c. 11.*

*Wells's Astron. C. viii.]*

35. UTR. *Cometæ Cauda sit (juxta NEWTONUM) vapor longe tenuissimus, quem nucleus per calorem suum emittit?*

#### APP.

*Newton. Princ. Math. p. 506.*

— *System of the World, p. 120.*

*Gregorii Astron. L. v. Prop. 4.*

*Pemberton's View, p. 238.*

*Clarkii Not. ad Robault. Phys. P. ii. c. 26.*

*Keill Intr. ad Astron. Lect. xviii.*

*Whistoni Pr. Phys. Math. L. xxxviii. p. 320.*

— *Theory, B. i. Lem. 64.*

*Clerici Phys. L. i. c. 11.*

*Voltaire's El. of Newton's Ph. C. xxiv. p. 336.*

*Aliorum variæ sunt Hypotheses.*

I. *Ascensum caudæ ascribit Keplerus actioni radiorum lucis materiam atmosphæræ cometæ secum rapientium.*

*Kepler. de Com. An. 1607, 1618. L. ii. p. 101.*

— *Hyperaspist. p. 125, 129.*

*Vid. etiam — Astr. Opt. c. 6.*

II. *Alii censent Solis radios per pellucidum Cometæ corpus propagatos in illo, velut in lente vitrea, refringi, ac jubaris speciem præbere spectandam.*

## MISCELLANÆ ASTRONOMICÆ. 165

De hisce vid. *Gregorii Astron.* L. v. p. 504.

III. *Cartesiani* caudam ortam esse volunt à refractione lucis in ejus progressu à capite ad spectatoris oculum.

*Cartes.* Princip. L. iii. § 120-140.

*Le Grand* Instit. Phil. P. v. c. 17. § 12.

IV. De *Hevelii* opinione, (qui à veritate haud longe remotus est)

Vid. — *Cometogr.* L. vii, viii.

— *Prodrom. Cometic.* p. 55.

*Sturmii* Phil. Elect. Tom. II. Exerc. 3. c. 3.

De variis horum opinionibus

*Conf. Ode Prin. Philos. Nat. P.* II. p. 225.

[Aliorum opiniones, vid. in *Hevel. Cometograph.* L. viii. p. 469. & *Riccioli Almag.*

Nov. Tom. I. P. ii. p. 121.]

36. UTR. *Cometæ* sint eventuum futurorum prænuncii & signa?

NEG.

*Bayle's Reflections on a Comet.*

*Gassendi Phys.* S. ii. L. v. c. 3.

Plura de hac re collegit

*Ode Princ. Philos. Nat. P.* II. p. 241.

Vid. *Riccioli Alm.* Nov. T. I. P. ii. L. viii. c. 5.

37. UTR. *Corpora cælestia* in animalium corporibus quasdam producant mutationes?

AFF.

*Le Grand Phys. Instit.* P. v. c. 24.

*Buddei Philos. Theor.* P. iv. c. 5.

*Mead's*

Mead's Disc. concerning the Action of the Sun and Moon on animal Bodies.

Miscel. Curios. Vol. I. p. 371.

Clare's Motion of Fluids, p. 185.

38. UTR. *Judiciaria astrologia sit admittenda?*

NEG.

Cicero de Divin. L. ii. c. 99.

Gassendus in Diog. Laert. Tom. I. p. 488.

Bernoulli Syst. Comet. p. 68.

Riccioli Alm. Nov. Tom. I. P. i. p. 678.

De Chales Cursus Math. Vol. III. p. 640-660.

Whiston Pr. Phys. Math. L. xxxv. P. 91. C. 3.

Multa de hac re erudite differit

Ode Princ. Philos. Nat. P. II. p. 235.

39. UTR. *Stellæ periodicæ fint erraticæ?*

AFF.

Derham's Astro-Theology, B. ii. c. 3.

NEG.

Keill Intr. ad Astron. L. vi. p. 56.

40. UTR. *Dierum Solarium inæqualitas solvatur ex obliquitate Eclipticæ & inæquabili Telluris motu?*

AFF.

Keill Intr. ad Astron. L. xxvi.

Whiston Præl. Astron. L. x.

Gregorii

MISCELLANÆ ASTRONOMICÆ. 167

*Gregorii Astron.* L. iii. Pr. 17.

*Gravesande El. Phys.* L. iv. c. 8.

*Ptolemaici* eodem fere modo rem explicant ex obliquitate Eclipticæ & Solis motu in eadem.

Vid. *Riccioli Alm.* Nov. T. I. P. i. p. 176.]

C A P U T

G A P U T I X.

QUÆSTIONES LOGICÆ.

1. UTRUM *Logica* sit *ars*?

AFF.

*Burgersdicii Institut. Logic. L. i. c. 1.*

*Aldrich Logic. Comp. p. 106.*

NEG.

Logicam esse scientiam propriè dictam docent

*Hamel. in Philos. Burgund. Tom. I. p. 56.*

*Eustachius in Summa Philosophiæ, p. 4.*

Nec artem esse nec scientiam contendit *Smiglecius*, sed vere & proprie instrumentum scientiarum.

*Smig. Log. Disp. 2. Qu. 5. p. 80.*

Vid. *Goveani Log. Elenc. Disp. i. Qu. 2.*

2. UTR. *Objectum Logicæ* sint *operationes intellectus quæ dirigibiles*?

T U T A D

AFF.

*Smigleci Log. Disp. 2. Qu. 1. p. 48.*

*Philos. Burgund. Tom. I. p. 54.*

*Burgersdicii Institut. Log. L. i. c. 1.*

*Eustachii Summa Philos. p. 7.*

*Goveani*

*Goveani Log. Elenc. Disp. i. Qu. 1.*

3. UTR. *Operationum mentis recte instituatur divisio ternaria?*

## AFF.

*Philos. Burgund. Tom. I. p. 51.*

*Eustachii Logic. p. 10. Qu. 5.*

*Sanderson. Logicæ Compend. L. i. c. 1.*

*Wolfii Log. P. i. c. 1. p. 130.*

*Smiglecii Logic. Disp. 2. Qu. 1.*

*Wallisi Instit. Logicæ, c. 1.*

## NEG.

Plerique e recentioribus Philosophis operati-  
ones mentis & perinde Logicam in quatuor par-  
tes distribuunt.

*Gassendi Logica.*

*Ars cogitandi.*

*Croufaz Systema Logicæ.*

*Clerici Logica.*

*Watts's Logick.*

*Le Grand Instit. Log.*

4. UTR. *Logica fit necessaria ad scientias  
acquirendas?*

## AFF.

*Smiglecii Log. Disp. 2. Qu. 7. p. 97.*

*Wolfii Logica, Proleg. § 20. P. ii. S. 2.*

*Le Grand Phil. Instit. P. i. c. 1.*

*Philos. Burgund. Tom. I. p. 61.*

Z

Sander-

*Sanderſon de usu Logicæ, Append. prima ad Log. Compend.*

*Eustach. Summa Philos. p. 9.*

N E G.

*Gassendi Exercitat. i. in Dialectic.*

*Aristot. Oper. Tom. III, p. 149-156.*

[Logicam non esse absolute necessariam, utili-  
lem tamen, contendit

*Goveani Log. Elenc. Disp. i. Qu. 3.*

Vid. *Bentham's Reflections upon Logick.*]

5. UTR. *Prima mentis operatio fit capax di-  
rectionis?*

A F F.

*Smiglecius, Disp. 3. Quæst. 5. p. 114.*

6. UTR. *Aliquid fit in intellectu, quod non  
fuit prius in sensu?*

A F F.

*Lee contra Locke, B. ii. c. 1.*

*Ars cogitandi, P. i. c. 1.*

*Le Grand Philos. Institut. P. i. c. 2. p. 13.*

N E G.

*Aristot, Met. L. i. in Oper. Vol. IV. p. 281.*

*T. Aquin. Summ. P. i. Qu. 84. Art. 6.*

*Locke's Essay on Hum. Und. B. ii. c. 1.*

7. UTR. *Quinque sint Prædicabilia?*

A F F.

*Omnes Peripatetici.*

N E G.

## NEG.

*Gassendus* in *Aristot. Dialect. Exerc. 2. Art. 6.*  
*Goveani Log. Elenc. Disp. iii. Qu. 4.*

8. UTR. *Naturæ in singularibus existentes*  
*sint re ipsa universales?*

## AFF.

*Platonici. Proclus* in *Platonis Parmen.*  
*Plutarchi Placit. Philos. L. i. c. 3, 10.*

## NEG.

*Peripatetici. Aristot. Met. L. xii. c. 5.*

*Et qui Philosophum tuentur, Thomistæ.*

*Adeas Smiglecii Logic. Disp. iv. Qu. 2.*

*Philos. Burgund. Tom. I. p. 67.*

*Eustach. Log. p. 23.*

*Et Thomistarum & Scotistarum sententias summatim tradidit Chauvinus, in Lexic. Ration. ad vocem UNIVERSALIS.*

*Universalia esse mera nomina appellativa vult*  
*Gassendus in Dialect. Aristot. Exerc. 2. Art. 3.*

9. UTR. *Universalia fiant per abstractionem?*

## AFF.

*Scotus, Durandus, & plerique scholastici.*

*Smiglecii Log. Disp. 4. Qu. 8.*

*Philos. Burgund. Tom. I. p. 67.*

*Norris's Ideal World, P. ii. c. 1.*

*Locke's Essay on Hum. Und. B. ii. c. 2. § 9.*

*B. iii. c. 3. § 9. B. iv. c. 12. § 3.*

Mr. Clarke's farther Examin. of Dr. Clarke's  
Notions of Space, c. 2.

King's Origin of Evil by Law, Note 1.

Watts's Logick, P. i. c. 3. § 3.

Clerici Log. p. 1. c. 6.

NEG.

Sunt qui per comparationem universalia fieri  
volunt.

Berkley on the Princ. of Hum. Knowledge.

— Minute Philos. Vol. II. Dial. 7.

— Defence of the Analyst. p. 56.

Brown's Proc. & Lim. of Hu. Und. B. ii. c. 4.  
p. 186.

Utramque hypothesin exponit Chambers, ad  
voices ABSTRACT & GENERAL.

10. UTR. Res fint vere univerſales ante om-  
nem operationem intellectus?

AFF.

Eustach. Log. p. 25.

NEG.

Smiglec. Log. Disp. 4. Qu. 2. p. 135.

Locke's Essay, B. iii. c. 6. § 11.

Vid. supra, Qu. 8.

11. UTR. Genus & species fint entia rationis?

AFF.

Smiglecii Log. Disp. 5. Qu. 1, 2.

Locke's Essay, B. iii. c. 6. § 11.

Philos. Burgund. Tom. I. p. 96.

12. UTR.

12. UTR. *Genus in unica specie, vel species in unico individuo conservari possit?*

AFF.

*Philos. Burgund.* Tom. I. p. 100.

*Aldrich. Logic. Compend.* p. 109.

NEG.

*Eustachii Log.* p. 31.

13. UTR. *Detur differentia cum specie reciproca?*

AFF.

*Philos. Burgund.* Tom. I. p. 104.

14. UTR. *Distinguuntur species a se invicem per essentias suas nominales?*

AFF.

*Locke's Essay*, B. iii. c. 3. § 2.

NEG.

*Lee against Locke.*

*Green's Philos.* B. v. c. 8.

15. UTR. *Essentiæ rerum sint nobis ignotæ?*

AFF.

*Locke's Essay*, B. iii. c. 3. § 15. c. 6. per tot.

*Clerici Log.* P. i. c. 7.

NEG.

*Green's Philos.* B. v. c. 8.

16. UTR.

16. UTR. *Essentiae rerum sitæ sint in indivisiibili?*

AFF.

Veteres scholastici.

NEG.

*Locke's Essay*, B. iii. c. 6.

*Clerici Logica*, P. i. c. 8.

17. UTR. *Optima fit definiendi methodus per genus & differentiam?*

AFF.

*Burgersdic. Log.* L. ii. c. 2.

*Eustach.* p. 89.

*Wallisi Log.* L. i. c. 4.

*Smiglec. Disp.* 18. *Qu.* 2.

NEG.

*Locke's Essay*, B. iii. c. 3. § 10.

*Clerici Log.* Præf. § 4.

18. UTR. *Proprium a subiecto possit separari?*

AFF.

*Smiglec. Log. Disp.* 5. *Qu.* 9. p. 204.

*Eustach. Log.* p. 40.

NEG.

*Aldrich. Logicæ Compend.* p. 110.

*Gassendus in Dialect. Aristot. Exerc.* 2. Art. 2.

*Oper. Tom. III.* p. 158.

*Locke's Essay*, B. ii. c. 13.

19. UTR.

19. UTR. *Substantia a proprietatibus sit revera distincta?*

Quidam volunt substantiam esse proprietatum congeriem, ipsam vero non aliud esse quam merè abstractam ideam.

*Law's Trans. of King de Orig. Mali, Not. 1.*

*Watts's Logick, P. i. c. 2. S. 2. p. 13. Note.*

— *Philosoph. Essays, Eff. iii. p. 47.*

*Green's Phil. B. v. c. 8.*

Alii proprietates non esse reales sed entia rationis existimant.

*Aristot. Met. L. vii. c. 10.*

*Le Grand Institut. Phil. P. iv. c. 8.*

*Philos. Burgund. Tom. I. p. 496.*

*Lockius de hac re ambigere & in tenebris versari videtur.*

— *Essay on Hum. Und. B. ii. c. 13.*

20. UTR. *Accidens adesse & abesse possit sine subjecti interitu?*

#### AFF.

*Aldrich. Compend. Log. p. 111.*

*Smigleci Log. Disp. 5. Qu. 10. p. 208.*

*Philos. Burgund. Tom. I. p. 111.*

21. UTR. *Accidens migrare possit de subjecto in subjectum?*

#### NEG.

*Aldrich. Compend. Log. p. 112.*

*Smigleci Log. Disp. 5. Qu. 10.*

22. UTR.

22. UTR. *Divisio entium in decem summa genera vel Categorias sit justa & maxime propria?*

AFF.

*Arist.* & innumeri alii, qui in ejus verba jurant.

*Aristot.* de Categor.

*Smiglecii* Log. Disp. 7. Qu. 1.

*Eustachii* Logic. p. 45.

*Philos. Burgund.* Tom. I. p. 117.

*Wallisi Log.* P. i. c. 6.

*Fell.* Grammatica Rationis, p. 27.

*Burgersdic.* Log. L. i. c. 3.

NEG.

*Gassendus* in *Aristot.* Dial. Exerc. 3. Art. i.

*Le Grand Institut.* Philos. P. i. c. 8.

Vid. etiam *Goveani* Log. Elenc. Disp. ii.

Varia est entium distributio apud varios autores. Sunt, qui unam duntaxat Categoriam, nempe ens ipsum; sunt, qui duplicem statuunt, substantiam nempe & accidens. Sed *Lockiana* Prædicamentorum divisio in Modos, Substantias & Relationes hodie receptissima est.

*Locke's Essay*, B. ii. c. 12. § 3.

*Clerici Logica*, P. i. c. 5.

*Ars cogitandi*, L. i. c. 2, 3.

*Watts's Logick*, P. i. c. 2. S. 5.

*Crousaz.* Syst. Log. P. i. S. 2. c. 1.

*Buddei Philos. Instrum.* P. i. c. 1. § 10.

23. UTR. *Attributum concipi possit prius substantiâ?*

AFF.

*Clarke's Answ.* to a seventh Letter, p. 46.

*Jackson*

Jackson on the Exist. and Unity of God, p. 19.

NEG.

Aldrich. Comp. Log. p. 115.

Smiglecius Log. Disp. 8. Qu. 8.

Law's Enquiry into the Ideas, &c. p. 145.

Dissert. on the Arg. *a priori*, c. ii. p. 58, 83.

24. UTR. *Ratio substantiæ Deo & Creaturis  
conveniat univoce?*

AFF.

Smiglecius, Disp. 8. Qu. 2.

NEG.

Locke's Essay, B. ii. c. 13. § 18.

25. UTR. *Alicujus substantiæ habeamus ideam  
adæquatam?*

NEG.

Locke's Essay, B. ii. c. 31. § 6, 10.

Clerici Logica, P. i. c. 10.

26. UTR. *Idea substantiæ incorporeæ sit æque  
clara ac corporeæ?*

AFF.

Cartesius de Methodo, p. 27.

— Meditat. ii. &c Philos. Princ. P. i. p. 14.

Robaulti Phys. P. i. c. 2. § 3.

Locke's Essay, B. ii. c. 23.

Malebr. Search after Truth, B. iii. P. ii. c. 7.

Perronet's Vindicat. of Locke, Dial. iv.

Aa

Brown's

NEG.

*Brown's Proc. and Lim. of the Und.* B. i. c. 3.  
*Norris's Ideal World*, Vol. II. p. 252.  
*Felton's Serm. at Moyer's Lect.* Serm. i. p. 12.

27. UTR. *Quantitas realiter differat a re quantâ?*

NEG.

*Wallifi Log. Th.* iii. p. 304.

28. UTR. *Numerus fit vere & proprie quantitas?*

Rem ex utraque parte copiose disputatam  
 Vid. apud *Smiglecum*, Disp. 9. Qu. 5.  
*Philos. Burgund.* Tom. I. p. 132.

29. UTR. *Quatuor qualitatis species recte assignentur ab ARISTOTELĒ?*

AFF.

*Smiglecii Log. Disp.* 11. Qu. 2, 3.

30. UTR. *Relationes sunt entia realia?*

AFF.

Scholastici quidam, quos vix operæ pretium  
 est recensere.

NEG.

*Aristot. Phys. L. v. c. 10.*

*Smiglec. Disp. 10. Qu. 1.*

*Philos. Burgund. Tom. I. p. 144.*

*Locke's Essay*, B. ii. c. 25.

31. UTR.

31. UTR. *In omni re possit fundari relatio?*

AFF.

*Smiglec.* Disp. 10. Qu. 6.  
*Locke's Essay*, B. ii. c. 25. § 7.  
*Crousaz Log.* P. i. S. 2. c. 3.  
*Clerici Log.* P. i. c. 4.  
*Buddei Philos. Theoret.* Tom. I. P. i. c. 1.

32. UTR. *Relatio fit tantum denominatio extrinseca?*

AFF.

*Gassendus in Arist. Dialect. Exerc.* 3. Art. 12.

33. UTR. *Dentur aliquæ relationes rebus essentiales?*

AFF.

*Suarez in Metaph.* Disp. de Relatione.  
*Cajetan. de Ente & Essentia*, c. 7. Qu. 15.

NEG.

*Aristot. Metaph.* L. iv. c. 2.  
*Averroes Phys.* L. i. c. 70.  
*Smiglec.* Disp. 10. Qu. 8.  
*Locke's Essay*, B. ii. c. 25. § 7-10.

34. UTR. *Relatio essentiam sumat a termino?*

AFF.

*Smiglec.* Disp. 10. Qu. 10.  
*Locke's Essay*, B. ii. c. 25. § 6.

35. UTR. *Judicium sit actus voluntatis?*

## AFF.

*Norris* of Reason and Faith, c. 1.

— Ideal World, P. ii. c. 3. S. 3.

*Malebranche's* Search after Truth, B. i. c. 2.

*Fidde's* Theol. Specul. B. iv. c. 1.

*Ode* Theol. Natur. p. 58.

*Le Grand* Instit. Phil. P. i. c. 11.

*Watts's* Logick, P. ii. c. 1.

## NEG.

*Law's* Notes to *King's* Orig. of Evil, n. 42.

*Collins's* Enquiry about Liberty.

*Clarke's* Letters concerning Liberty, subjoin'd to Papers betwixt *Leibnitz* and *Clarke*.

*Jackson's* Def. of Hum. Liberty, in Answer to *Cato's* Letters, p. 99.

36. UTR. *Contradicторia possint esse simul vera?*

Quæstionem fuse tractavit *Smiglecius*.

— Disp. 12. Qu. 10.

37. UTR. *Ideæ claræ & distinctæ fint criterium veritatis?*

## AFF.

*Locke's* Essay, B. iv. c. 1. B. iv. c. 4. § 18.

— Second Letter to *Stillingfleet*, p. 83.

*Watts's* Log. P. ii. c. 2. S. 7.

*Clerici* Log. P. ii. c. 7.

*Le Grand* Instit. Philos. P. i. c. 2.

*Buddei* Philos. Instrum. P. i. c. 3. § 27.

## NEG.

## NEG.

Veteres *Pyrrbonici* omnia veritatis criteria tollebant. V. *Sext. Empiricum*. Nec defunt inter recentiores *Pyrrbonistæ*.

Vid. *Huetii* opus Posth. de Hum. Intell.

Scepticos præclare refellit *Crousaz* in *Histoire du Pyrrbonisme*.

38. UTR. *Voces primò & immediate significent ideas?*

## AFF.

*Locke's Essay*, B. iii. c. 2. § 2, 3.

*Philos. Burgund.* Tom. I. p. 166.

*Buddei Phil. Instrum.* P. ii. c. 1. § 7.

*Burgersdic. Inst. Log.* L. i. c. 24.

## NEG.

*Smiglec. Log. Disp.* 12. *Qu.* 1.

*Goveani Log. Elenc. Disp.* xvii. *Qu.* 2.

39. UTR. *Sensibus sit fidendum?*

## AFF.

*Aldrich. Compend. Log.* p. 123.

*Locke's Essay*, B. iv. c. 11. § 8.

*Goveani Log. Elenc. Proth. Disp.* v. *Qu.* 3.

## NEG.

*Aldrich. ibid.* p. 126.

*Cartes. Philos. Princ.* P. i. § 4.

*Le Grand. Instit. Philos.* P. i. c. 2.

*Malebranche's Search after Truth*, B. i.

40. UTR.

40. UTR. *Simplex apprehensio veritatis & falsitatis sit capax?*

Quæstionem ex utraque parte disputatam

Vid. apud *Philos. Burgund.* Tom. I. p. 177.

41. UTR. *Propositiones de futuro contingentib.  
sint determinatæ veræ aut falsæ.*

AFF.

*Smiglec.* Disp. 12. Qu. 10.

*Philos. Burgund.* Tom. I. p. 180.

*Le Grand Institut.* Philos. P. i. c. 13.

*Goveani Log.* Elenc. Disp. xxii. Qu. 8.

42. UTR. *Omnis propositio sit vel vera vel falsa?*

AFF.

*Philos. Burgund.* Tom. I. p. 187.

*Goveani Log.* Elenc. Disp. xxii. Qu. 1.

43. UTR. *Cartesius Philosophiam à dubita-  
tione recte ordiatur?*

AFF.

*Cartes. de Methodo,* p. 11.

— Princ. Phil. P. i. § 1. Medit. i.

*Le Grand Institut.* Phil. P. i. c. 2.

*Claubergii Dubit. Cartesiana.*

44. UTR. *Definitio nominis a definitione rei  
distingui debeat?*

AFF.

## AFF.

*Le Grand Philos. Institut.* P. i. c. 10, 13.

*Locke's Essay*, B. iii. c. 10. § 16.

*Clerici Log.* P. ii. c. 12.

*Ars Cogitandi*, P. ii. c. 12.

*Watts's Log.* P. i. c. 6. § 2.

*Burgersdic. Synopsi Log.* p. 185.

45. UTR. *Propositio singularis habeat vim universalis?*

## AFF.

Quæstionem fuse & ex professo discutit

*Wallius, Log. Th.* i. p. 261.

46. UTR. *Omnis discursus fit ex præcognitis & præconcessis.*

## AFF.

*Smiglec. Disp.* 13. Qu. 3.

*Philos. Burgund.* Tom. I. p. 196.

Hoc scholasticorum axioma improbat *Lockius.*

— *Essay on Hum. Und.* B. iv. c. 7. § 8.

47. UTR. *Certiora sint, quæ discursu cognoscuntur, quam quæ sensu percipiuntur?*

## AFF.

*Ars Cogitandi*, P. iv. c. 1.

*Wollafton's Relig. of Nat.* S. 3. § 13.

*Locke's Essay*, B. iv. c. 2, 11.

*Le Grand, Malebranche, aliisque Cartesiani.*

*Vid. supra, Qu. 39.*

48. UTR.

48. UTR. *Principium istud, quæ conveniunt uni tertio convenient inter se, sit proprium fundamentum syllogismi?*

AFF.

Smiglec. Disp. 13. Qu. 15.

Watts's Log. P. iii. c. 1.

49. UTR. *Syllogismus sit utilissimum rationis instrumentum?*

AFF.

Tota Peripateticorum turba.

NEG.

Locke's Essay, B. iv. c. 17. § 4.

Clerici Log. P. iv. c. 2.

50. UTR. *Ex falso inferri possit verum?*

AFF.

Sanderson. Log. Compend. L. i. p. 129.

Tacquet. Elem. Geom. Append.

NEG.

Smiglec. Disp. 13. Qu. 9.

Philos. Burgund. Tom. I. p. 199.

51. UTR. *Quarta syllogismorum figura admitti debeat?*

AFF.

Clerici Log. P. iv. c. 4.

Goveani Log. Elenc. Disp. xxvi. Qu. 1.

NEG.

NEG.

*Aristoteles, & qui eum sectantur.**Wallisi Log. L. iii. c. 9.**Philos. Burgund. Tom. I. p. 195.*

52. UTR. *Omnes syllogismi composti ad categoricos reduci possint?*

AFF.

*Wallisi Log. p. 280.*

53. UTR. *Aristotelica disputandi methodus sit methodo Socraticæ præferenda?*

NEG.

*Clerici Log. P. iv. c. 9.*

54. UTR. *Demonstratio a priori sit sola proprie & vere demonstratio?*

AFF.

*Smiglecius, Disp. 15. Qu. 1.*

55. UTR. *Methodus Analytica sit in disciplinis philosophicis Syntheticæ præferenda?*

*Vid. supra, Cap. I. Qu. I.*

Bb

CAPUT



## CAPUT X.

## QUÆSTIONES METAPHYSICÆ.

I. *De Ideis.*

1. **U**TRUM *dentur innatæ Ideæ?*

AFF.

*Plato* in *Phæd.**Cic.* *Tusc.* *Disp.* L. i. c. 24.*Le Grand Institut. Philos.* P. ix. c. 4.*Herbert de Veritate*, p. 76, &c. Ed. 1656.*King de Orig. Mali*, c. 4. Not. a.*Sharrack de fin.* p. 168.*Sherlock on a future State*, p. 124.*Sanderson de Conscientia*, *Præl.* i. p. 16.*Cudworth's Intell. System.* c. 4. § 11.

NEG.

*Aristot.* *Met.* L. i. c. 1.*Locke's Essay on Hum. Und.* B. i. *per tot.**Pearson on the Creed*, p. 20.*Croufaz Syst. Log.* P. i. S. 2. c. 1.*Moshemii Not. ad Cudworthi Syst. Int.* p. 223, 758, 836.

2. **U**TR. *Ideæ ad sensus externos & phantasiæ omnino pertineant?*

AFF.

## AFF.

*Norris's Ideal World*, P. ii. c. 8. p. 370.  
 Proced. and Limits of Hum. Und. B. i. c. 2.  
*Stillingfleet's Ans. to Locke's first Lett.* p. 93.

## NEG.

*Latiorem esse vocis Ideæ sensum voluit Lock.*  
 —— *Essay, Introd. § 8.*

3. UTR. *Mens Ideas solas percipiat?*

## AFF.

*Locke's Essay*, B. ii. c. 9.  
*Norris's Ideal World*, P. ii. c. 3. § 1.  
*Le Grand Institut. Philos.* P. i. c. 1. p. 2.

4. UTR. *Omnes Ideæ originem ducant à sensatione & reflectione?*

## AFF.

*Locke's Essay*, B. ii. c. 1.

## NEG.

*Lee against Locke*, B. ii. c. 1.  
*Green's Princ. of Philos.* B. v. c. 2. & B. vi c. 7.  
 Proced. and Lim. of Hum. Und. B. iii. c. 7.  
*Ode Theolog. Nat.* p. 39.  
*Cudworth's Intellectual System*, c. 5. p. 754,  
 1145. Edit. *Mosheim.*

Sunt, qui negant abstractas Ideas vel à sensatione vel à reflectione oriri posse.

Watts's Log. P. i. c. 3. S. 1.

— Philosoph. Essays, iii. p. 93.

Sunt etiam, qui tertium Idearum genus, (quas *Imaginationi* tribuunt) ab Ideis sensationis & reflectionis distingui volunt.

Crousaz Syst. Log. P. i. c. 5.

5. UTR. *Idea soliditatis oriatur a tactu solo?*

AFF.

Locke's Essay, B. ii. c. 4.

Gravesande Elem. Phys. L. i. c. 3.

NEG.

Lee against Locke, B. ii. c. 4.

Green's Princ. of Phil. B. v. c. 3. p. 612.

6. UTR. *Idea durationis oriatur ex reflectione in successionem Idearum in mente?*

AFF.

Locke's Essay, B. ii. c. 14.

Hook's Posth. Works, p. 139.

NEG.

Lee against Locke, p. 76.

Green's Princ. of Philos. B. v. c. 6. p. 645.

7. UTR. *Motus in organis corporeis Ideas necessariò excitet?*

NEG.

Locke's Essay, B. ii. c. 5. & c. 9. § 3.

8. UTR.

8. UTR. *Ideæ sensationis mutari possint à judicio?*

AFF.

*Locke's Essay*, B. ii. c. 9. § 8-10.

NEG.

*Green's Princ. of Philos.* B. v. c. 4, p. 625.

9. UTR. *Perceptio sit activa mentis facultas?*

AFF.

*Locke's Essay*, B. ii. c. 9. § 2.

*Norris's Ideal World*, P. ii. c. 3. S. 1-3.

10. UTR. *Omnis cognitio humana ex simplicibus Ideis componatur, & sit in eas resolubilis?*

AFF.

*Locke's Essay*, B. ii. c. 7. § 10.

11. UTR. *Mens sibi formare possit Ideas simplices, vel eas destruere?*

NEG.

*Locke's Essay*, B. ii. c. 2. § 2. & c. 12. § 1.

*Malebranche's Search, &c.* P. ii. c. 3.

12. UTR. *Ideæ simplices possint definiri?*

NEG.

*Locke's Essay*, B. iii. c. 3. § 4, 10.

13. UTR.

13. UTR. *Dentur Ideæ positivæ ex causis privativis oriundæ?*

AFF.

*Locke's Essay*, B. ii. c. 8. § 1, 6.

*King's Origin of Evil*, 2d Ed. n. 3.

NEG.

*Lee against Locke*, B. ii. c. 8.

*Green's Princ. of Philos.* B. v. c. 3. p. 617.

14. UTR. *Idea infiniti oriatur ex sensatione & reflektione?*

AFF.

*Locke's Essay*, B. ii. c. 17.

NEG.

*Lee against Locke*, B. ii. c. 17.

*Green's Philos.* B. v. c. 7. p. 657.

15. UTR. *Quiddam detur in secundariis corporum qualitatibus earum Ideis simile aut conforme?*

AFF.

Nonnulli *Aristotelis* interpretes, qui formas substantiales tuentur.

Vid. Cap. i. Qu. 16.

NEG.

*Aristot. de An.* L. ii. c. 6. & L. iii. c. 3.

*Locke's Essay*, B. ii. c. 3. & c. 8. § 13.

*Watts's Philos. Essays*, p. 81.

*Cartes.*

*Cartes.* Princ. P. iv. § 194.

*Robault.* Ph. P. i. c. 2. c. 23. § 9. c. 24. § 5.  
c. 25. § 5. c. 27. § 11, 12.

16. UTR. *Dentur Ideæ, quæ oriuntur & à sensatione & à reflectione?*

AFF.

*Locke's Essay*, B. ii. c. 20. § 1. & c. 7.

NEG.

*Green's Princ. of Phil.* B. v. c. 7.

17. UTR. *Ideæ PLATONIS & Numeri PYTHAGORÆ unum idemque sonent?*

AFF.

*Cudworth.* Intell. Syst. c. 4. p. 466. Ed. Mosb.  
*Brucker.* in Amœnit. Literar. T. VII. p. 173.

NEG.

*Mosheim.* Not. in *Cudworth*. l. c.

18. UTR. *Ideæ PLATONIS sint naturæ ex divina intelligentia procreatæ?*

AFF.

Plerique *Platonis* interpretes, in quibus familiam dicit *Aristoteles*.

NEG.

Vult *Cudworthus* Ideas *Platonis* esse solum notiones in animo divino.

Vid.

Vid. Intell. Syst. p. 661. cum *Mosb.* Not.

Utriusque sententiae defensores longo ordine  
recenset

*Bruckerus* in Hist. Doc. de Ideis, S. 1. § 5. p. 53.

## II. *De ANIMA.*

19. UTR. *Anima semper cogitet?*

### AFF.

Omnes *Cartesiani*.

*Le Grand Institut.* P. ix. c. 1.

*Watts's Philos. Essays*, p. 114-124.

*Green's Princ. of Philos.* B. v. c. 2. p. 608.

Remarks on Mr. *Locke's* Essay.

*Lee* against *Locke*, p. 44.

Enq. into the Nat. of the Soul, S. 4. p. 143.

*Wollaston's Relig. of Nat.* p. 199.

### NEG.

*Locke's* Essay, B. ii. c. 1. § 10.

Defence of it, in Answer to Remarks, p. 26.

*Clerici Pneumatolog.* c. 2.

Solid Philosophy asserted, p. 125.

20. UTR. *Immaterialitas animæ demonstrari possit?*

### AFF.

*Clarke's Letters to Dodwell and Collins*, per tot.

— on the Being and At. of God, P. x. p. 88.

*Le Grand Institut. Philos.* P. ix. c. 2.

*Eustach. Summa Philos.* p. 328.

*Cartesi*

*Cartesii Meditat.* *De Anima* lib. V  
*Ode Theolog. Nat.* p. III.  
*Broughton's Psychologia*, c. 5.  
*Wollaston's Relig. of Nature*, p. 186.  
*More on the Immortality of the Soul.*  
*Norris's Ideal World*, P. ii. c. 1.  
*Burnet de Statu Mortuorum*, c. 3.  
*Law's Transl. of King de Orig. Mali*, note 7.  
 — Enq. into the Ideas of Space, &c. p. 105.  
*Ditton on the Resurrection*, Append. p. 357.  
*Raphsoni Epistolæ de Animæ Naturâ.*  
*Cudworth's Intellect. System*, p. 827. *Mosb.*  
 Edit. p. 1022. Cum innumeris aliis.

Sed qui quæstionem hancce eruditè & inge-  
 niose tractatam videre voluit, consulat omnino  
 librum anonymum, omnibus aliis longe præfe-  
 rendum; cui titulus, *Enquiry into the Nature  
 of the human Soul.*

## NEG.

*Lucret. L. i. ver. 864.*  
*Hobbes's Leviathan*, c. 46.  
*Dodwell on the Soul.*  
*Locke's Essay*, B. iv. c. 3. § 6.  
 — first Letter to *Stillingfleet*, p. 64.  
 — third Letter, p. 396.  
*Collins's three Letters to Clarke.*  
*Coward's Grand Essay.*  
*Jackson's Dissertat. on Matter and Spirit.*  
*Willis de An. Brutorum*, c. 6.  
*Blount's Oracl. of Reason*, p. 117.  
*S---t's Ph. Enq. into Ph. Spring of Hum. Act.*

21. UTR. *Materia possit cogitare?*

Cc

Vid.

Vid. Auctores ad Quæstionem ultimè memoratam citatos: qui illuc *affirmant*, hic *negant*, & vice versa.

22. UTR. *Anima sit suâ naturâ immortalis?*

AFF.

*Enquiry into the Nature of the Soul*, S. 3.

*Sherlock on a future State*.

*Smith's select. Disc.* p. 56.

*Le Grand Philos. Instit.* P. ix. c. 15.

*Butler's Analogy*, P. i. c. 1.

*Philos. Burgund.* Tom. III. p. 283. Ed. Paris.

Cæterique, qui quæstionis 20mæ partem affirmativam tuentur.

NEG.

*Hallet's Treatise on the Immort. of the Soul*.

Et quotquot materiæ capacitatem cogitandi attribuunt.

Plurimos auctores tum veteres tum recentiores de hac re citavit

*Fabr. de Ver. Rel. Christ.* c. 18. p. 421.

23. UTR. *Anima sit extensa?*

AFF.

Omnis, qui animam esse immateriale negant. Vid. supra, Qu. 20.

Sunt etiam qui *affirmant* & (quod miro simile videtur) ejus immaterialitatem nihilominus tuentur.

*Colliber's Impartial Enquiry*, p. 222.

*Clarke's Letters to Collins*, p. 118.

NEG.

## NEG.

*Plotini* argumenta, quibus animam extensiōne carere probat, erudite defendit *Cudworthus*.

— Intell. Syst. p. 823. Ed. Moth. p. 111.

Vid. *Le Grand Institut. Philos.* P. ix. c. 3.

*Law's Notes to King's Orig. of Evil*, n. 7.

— Enq. into the Ideas of Space, &c.

*Watts's Philos. Essays*, vi. S. 2. p. 146.

24. UTR. *Cogitationum nostrarum subjecto in-*  
*sint facultates vegetativa, nutritiva, & locomo-*  
*tiva?*

AFF.

*Veteres Scholastici.*

NEG.

*Clerici Pneumatol.* S. i. c. 7.

25. UTR. *Somniorum ratio ex materia & mo-*  
*tu explicari possit?*

AFF.

*Le Grand Inst. Phil.* P. viii. c. 20.

*Hobbes Phys.* P. iv. c. 25. § 9.

NEG.

*Enquiry into the Human Soul*, S. 6. p. 196.\*

\* Quæstionem unam & alteram de *anima* inveniet Lector in capite secundo, quæ magis aptæ in hac parte locum obtinere potuerint. Itaque ne hoc frusta querat, audeat Cap. 2. Qu. 10. 11.

## INQ.

## III. DE DEO.

26. UTR. *Idea Dei sit innata?*

Vid. *supra*, Q. I. c. 3.

27. UTR. *Idea Dei probet ejus existentiam?*

## AFF.

*Cartes.* Princ. Phil. P. i. § 14.

— *Meditat.* 3, 5.

*Clauberg.* Com. in *Cartes. Med.* in Op. p. 390.

*Le Grand Inst.* Phil. P. ii. c. 2.

*More's Antid.* against Atheism, L. i. c. 8.

*Cudworth's Int. Synt.* p. 721. Ed. *Mosh.* p. 896.

*Andalæ Synt. Th. vel Act. Erud.* 1711. p. 22.

*Clauberg.* Ex. de Deo in *Act. Er.* 1691. p. 374.

*Porretti Cogitationes de Deo*, p. 19.

*Fiddes's Theol. Spec.* B. i. P. i. c. 9.

*Colliber's Impartial Enquiry*, B. ii. R. i.

*Ode Theol. Nat.* p. 2631.

*Stillingfleet's Orig. Sacræ*, B. iii. c. 1. § 5, 6.

— *NEG.* vi. P. vi.

*Buddei de Piet. Ph. insel. Jur. Nat. & G.* p. 206.

\* *Norris's Treatises*, p. 9.

— *Ideal World*, Vol. II. p. 291.

*Locke's Essay*, B. iv. c. 10. § 7.

*Huetii Censura Phil. Cartes.* c. 4. § 8.

\* *Patker de Deo & Provid.* Disp. vi. S. 24.

*Clarke on the Being and Attr. of God*, p. 22.

III. *Law's*

Law's Notes to King's Orig. of Evil, p. 54,  
55, 56. 2d. Edit.

Mosheimi Not. ad Cudworthi Syst. Intellect.  
Vol. II. p. 888-899.

28. UTR. *Existentia Dei probari possit ab  
æternis veritatibus?*

AFF.

Norris's Miscell. p. 142.

— Ideal World, P. ii. p. 529

Cudworth's Int. Syst. p. 906. Ed. Mosheim.

29. UTR. *Existentia Dei admittat demon-  
strationem à priori?*

AFF.

Clarke on the Being and Attr. Prop. 3.

— Letters in Defence of his Demonst.

Three Defences of Dr. Clarke, by Mr. Clarke,  
of CC. C. C.

Jackson on the Existence and Unity.

The Argument à priori stated and consider'd.

NEG.

Veteres uno ore argumentum à priori rejiciunt.

Aphrodiss. Phys. Schol. L. i. c. i.

Clem. Alexandr. p. 696.

Albertus Magnus in Lib. i. Sentent. Disp. 3.

Opp. Tom. XIV. p. 66.

Aquin. Summ. Qu. 2. Art. 2. p. 14.

Bacon. Opus Majus, p. 62.

Rich.

Rich. de Media Villa in IV. L. sent. L. i. Dist. 3.

Qu. 3. p. 4.

Stot. in Libr. sent. L. i. Dist. 2. Qu. 2. p. 28.

Greg. de Valent. Tom. I. Disp. 1. Qu. 2. p. 59.

Vasq. Qu. 2. Art. 2. p. 60.

Suarez Metaph. Tom. II. Disp. 26. S. 3. p. 28.

Gillii Com. Theol. L. i. Tract. 8. c. 4. p. 391.

Eftius in L. Sent. Com. Tom. I. p. 4.

J. Putean. Op. Tom. I. P. i. Qu. 3. p. 24.

Rod. de Arriaga, Tom. I. p. 30.

Eandem tuentes partem plerique recentiores.

Petav. Dogm. Theol. Tom. I. L. i. c. 1. p. 2.

Culverwell, p. 212.

Barlow Exerc. Metaph. 4. p. 28, 129.

Fr. Bonae Spei, Disp. 1. Dub. 2.

Cudworth's Intell. Syst. B. i. c. 4. p. 715.

Le Blanc Thef. p. 191.

Tillotson's Serm. Vol. II. p. 671, Fot.

Ditton on the Resurr. p. 135.

Gretton's Review of the Argum. à priori.

Law's Notes to King's Orig. of Evil, n. 10.

& Rem. c.

Enq. into the Ideas of Space, &c. c. 5.

Et (qui instar omnium est)

Dissertation on the Arg. à priori.

30. UTR. Existentiā Dei demonstrari possit  
à posteriori?

Unā & mente & voce de hac primā veritate  
consentient omnes; unde & novum oritur argu-  
mentum ab universo consensu petitum. "Cum  
"enim (ut monet Cic. de Nat. Deor. L. i. c. 17.  
"non instituto aliquo aut more aut lege sit  
"opinio

“ opinio constituta, maneatque ad unum omnium firma consensio, intelligi necesse est esse DEUM.”

Dies deficeret, si vel millesimam scriptorum partem, qui laudabilem in hac palæstrâ operam navarunt, adducerem. Paucos è recentioribus & laudatissimis memorare satis duco.

I. Argumentis metaphysicis probârunt Scholastici.

Item, *Barlow* Exercitat. Metaph.

*Wilkins*'s Nat. Religion.

*Seth Ward*'s Philosophical Essay.

*Fiddes*'s Body of Divinity.

*Episcopii* Inst. Theol. L. iv. S. 2.

*Hales*'s Primitive Origination of Mankind.

*Cudworth*'s Intellectual System.

*King*'s Or. of Evil, with *Law*'s Notes.

*Clarke*'s Disc. of the Being and Attributes.

*Colliber*'s Impartial Enquiry.

Enq. into the Evid. of the Christ. Rel. 2d Ed.

*Wollaston*'s Religion of Nature delineated.

II. Ab ordine & structurâ mundi.

*Bentley*'s Sermons at *Boyle*'s Lectures.

*Derham*'s Physico-Theol. and Astro-Theol.

*Ray* on the Creation.

*Cheyne*'s Philos. Princ. of Religion.

*Nieuwentyt*'s Religious Philosopher, 3 Vol.

*Stillingfleet*'s Orig. Sacræ.

*Parker* Disp. de Deo.

*Grew*'s Cosmologia Sacra, B. i. c. 5.

*Cockburn*'s Essays, P. i. Eff. 7.

*W. Scott* on the Wisdom of God, Serm. i.

*Edwards*'s

Edwards's *Vindic. of God's Attributes.*

Stackhouse's *Body of Divinity*, p. 4.

31. UTR. *Attributa Dei* (v. g. *Æternitas, Immensitas, Omniscentia, Omnipotentia, Immutabilitas, Simplicitas, Unitas, infinita Justitia, Sapientia & Bonitas*) *demonstrari possint?*

Conf. Auctores supra citatos.

32. UTR. *Unitatem & necessariam existentiam Dei demonstraverit CLARKIUS?*

#### AFF.

Clarke on the Being and Attrib. Prop. 3, 7.

— Letters in Defence of it.

Jackson on the Existence and Unity of God. Arg. to prove the Unity, &c. *à priori.*

#### NEG.

Gretton's Review of the Argum. *à priori.*

Law's Notes to King's Or. of Evil, n. 10. R. i.

— Enq. into the Ideas of Space, &c. c. 5, 6. Dissert. c. 2.

33. UTR. *Moralia Dei attributa demonstrari possint à priori?*

#### AFF.

Clarke's Demonstr. &c. Prop. 12.

Balguy's Divine Rectitude.

— Supplement to Vol. of Tracts.

Wisdom the Spring of Action in the Deity.

#### NEG.

## NEG.

Divine Benevolence.

Law's Notes on King's Orig. of Evil, n. 10.

34. UTR. *Moralia Dei attributa demonstrari possint à posteriori?*

## AFF.

Divine Benevolence.

Law's Notes to King, n. 10. R. i.

Johnson's Essay on Moral Obligation, c. 3.

— Not. ad Puf. de Off. H. &amp; Civ. L. i.

c. 4. § 5. Ed. 2.

Clerici Pneumatol. S. 3. c. 11.

Wilkins's Nat. Relig. B. i. c. 10. p. 135.

Vid. Qu. 30.

## NEG.

Balguy's Divine Rectitude.

Wisdom the Spring of Action in the Deity.

35. UTR. *Moralia Dei attributa interpretari oporteat in sensu analogico?*

## AFF.

Aquin. Summ. P. i. Qu. 13. Art. 3. &amp; Qu. 14.

Art. 1.

Suarez Disp. Met. Tom. II. Disp. 3. S. 15.

Gassend. in Dial. Aristot. Exerc. 3. Art. 9.

Felton's Sermons at Moyer's Lectures, p. 212.

Brown's Answer to Toland on Mysteries.

— Proced. and Lim. of Hum. Und.

— Divine Analogy.

King's Serm. on Predestination.

W. Law's Case of Reason, p. 68.

D d

NEG.

Law's Notes on *King's Or. of Evil*, n. 10. R. k.  
 Tillotson's Works, Vol. II. Serm. lxxvi. p. 569.  
 The Minute Philosopher, Vol. I. p. 247.  
 Jackson's Answ. to Divine Analogy.  
 Fiddes's Theol. Speculat. p. 125.  
 — Practical Discourses, fol. 234.  
 J. Clarke on Moral Evil, p. 95.  
 Chubb's Tracts, p. 146.  
 Edwards's Vindication of the Divine Attrib.  
 Johnson Not. ad *Puf. de Off. H. & C.* Ed. 2.  
 L. i. c. 4. § 5.

[36. UTR. *Omnia Dei moralia attributa ad unam ejus sapientiam rectè possint referri?*

AFF.

Cumberland de Leg. Nat. C. 5. § 20.

37. UTR. *Inter sapientiam divinam & humana analogia certa fit?*

AFF.

Cumberland de Leg. Nat. C. 5. § 19.

38. UTR. *Universalis Iustitiae certa Sanctio fit, quæ eam Deo inviolabiliter commendet?*

AFF.

Cumberland de Leg. Nat. C. 5. § 20. C. 7. § 6.]

#### IV. MISCELLANÆ METAPHYSICÆ.

39. UTR. *Causa propriè dicta necessariò fuerit & naturâ & tempore prior effectu?*

AFF.

AFF.

*Clerici* Ontolog. c. 10.

Et quotquot fuerunt scriptores Dialectici.

NEG.

*Jackson* on the Existence and Unity.

Vid. infra, Qu. 41.

40. UTR. *Essentiæ rerum* sint ab æterno?

AFF.

*Platonici*.

NEG.

*Philos. Burgund.* Tom. I. p. 478.

41. UTR. *Æterna creatio contradictionem implicet?*

AFF.

*Burgers* dic. Institut. Met. L. ii. c. 10. n. 7.

*Locke's* Essay, B. ii. c. 26. § 2.

*Dr. Clarke's* Notions of Space examined, p. 93.

*Mr. Clarke's* farther Examin. c. 4. p. 146.

Enq. into the Nat. of the Hum. Soul, S. 8.

p. 357.

NEG.

Three Defences of Dr. *Clarke*, by Mr. *Clarke*,  
of CC. C. C.

*Jackson* on the Existence and Unity of God.

*Baronii* Metaphys. Sect. vii. Disp. 1.

42. UTR. *Aliquid esse possit in effectu, quod non fuit in causa?* Sive,

UTR. *Aliquis dare possit, quod non habet?*

Axioma à Scholasticis habetur, sed in sensu peculiari & cum grano falsis intelligendum.

Vid. Clerici Ontolog. c. 10.

43. UTR. *Axioma, ex nihilo nihil fit, admitti debeat?*

De vero hujusce axiomatis sensu differuerunt Cudworth. Syst. Intell. p. 950. Ed. Mosb.

Et ipse Moshemius in Dissertat. ibid. p. 957.

Clericus ibid. p. 952. VI

44. UTR. *Infinita series contradictionem implicet?*

AFF.

Hale's Primit. Orig. of Mankind, S. i. c. 4.  
Seth Ward's Philos. Essay.

Stillingfleet's Orig. Sacrae, B. iii. c. 1. § 7.

Colliber's Impartial Enquiry, p. 208.

Cudworth's Intellect. Syst. p. 644. Id. p. 773.  
cum Notis Moshemii.

Grew's Cosmol. Saera, B. i. c. 1.

Locke's Essay, B. ii. c. 17.

Ode Theol. Nat. p. 220.

Bentley's Sermons at Boyle's Lect. Serm. iii.

Law's Not. on King's Or. of Evil, n. 10. & R. b.

— Enq. into the Ideas of Space, &c. *passim*.

Mr. Clarke's farther Examination, c. 4.

NEG.

Jackson on the Ex. and Unity.

Mr.

Mr. Clarke's Three Defences.

Collins's Essay on Reason, p. 55.

45. UTR. *Infinitas Metaphysica distingueda  
fit à Mathematica?*

AFF.

Infinitas Mathematica est modus quantitatis,  
adeoque negativa est.

Arist. Nat. Auscult. L. iii. c. 9, 11, 13.

— Phys. L. iii. c. 6.

Suarez Disp. Met. Tom. II. Disp. 30. § 11.

Locke's Essay, B. ii. c. 17. § 1, 17, 19.

Law's Notes on King's Orig. of Evil, n. 3.

— Enq. into the Ideas of Space, &c. c. 3.

p. 103.

Cudworth's Intell. Syst. p. 647.

Eustach. Phys. Tract. iii. Qu. 5. p. 152.

Infinitas Metaphysica idem sonat cum perfec-  
tione, & idea est positiva.

Moshem. Not. ad Cudworthi Syst. Int. p. 174.

Collier's Impartial Enquiry, P. ii. c. 1, 3.

Brown's Proced. and Lim. of Hum. Underst.  
B. i. c. 3. p. 82.

Law's Notes to King, p. 99.

— Enquiry after Space, &c. c. 3. p. 103.

Sherlock's Vindication of the Trinity, p. 77.

Johnson Not. ad Puf. de Off. H. & Civ. Ed.  
2. L. i. c. 4. § 5.

Chauvini Lexic. Ration. ad voc. INFINITUM.

NEG.

Sunt, qui nullam aliam infinitatem praeter  
mathematicam sapere possunt.

Hobbes's

*Hobbes's Leviathan*, c. 3.

*Cartes. Princ. P. i. § 26. Epist. P. i. Ep. 67.*

*Clarke's Dem. of the Being, &c. p. 38, 39.*

*Jackson on the Existence and Unity.*

*Three Defences of Dr. Clarke.*

*Raphson Demonstratio de Deo*, p. 2.

*Clerici Ontol. c. 17,*

46. UTR. *Æternitas fit duratio successiva?*

AFF.

*Raphson Demonstr. de Deo.*

*Gaffendi Phys. L. i. c. 3. Op. Tom. I. p. 17.*

*Tillotson's Serm. Vol. VI. Serm. vi. & Vol. VII. Serm. xiii. 8vo.*

*Clarke on the Being and Attrib. p. 39.*

*Clerici Ontol. c. 5; 6.*

*Jackson on the Existence and Unity, p. 32.*

*Three Defences of Dr. Clarke.*

NEG.

*Episcop. Instit. Theol. L. iv. c. 9.*

*Cudworth's Intell. System, p. 644.*

*Colliber's Impart. Enquiry, p. 209.*

*Hale's Prim. Orig. of Mank. S. i. c. 6. p. 123.*

*Seth Ward's Philos. Essay, p. 23.*

*Grew's Cosm. Sacr. B. i. c. 1, par. 9.*

*Ode Theol. Nat, p. 220.*

*Smith's Select Disc. p. 125.*

*Enqu. into the Nature of the Soul, note ult.*

*Gastrell's Boyle's Lect. P. i. p. 66.*

*Stillingfleet's Vindic. of the Trinity, p. 285.*

*Cudworth's Int. Synt. c. 5. p. 778. Moib. Not.*

*p. 780.*

*Law's*

*Law's Notes on King, Rem. c. p. 66. 2d Ed.*

— *Enquiry into the Ideas of Space, c. 3.*

*Variorum de hac re dogmata collegit*

*Petav. Dogm. Theol. Tom. I. L. iii.*

47. UTR. *Aliquod detur infinite extensum?*

AFF.

*Clarke's Demonstr. Prop. 6.*

— *Answer to a seventh Letter.*

*Raphson de Deo.*

*Jackson on the Exist. and Unity, p. 100.*

*Three Defences of Dr. Clarke.*

*More's Enchirid. Met. c. 27.*

Mundum corporeum esse infinitè extensum  
statuerunt ex veteribus *Democritus, Epicurus,*  
*Lucretius, aliique.*

*Laert. L. ix. S. 31.*

*Plut. de Plac. Philos. L. i. c. 3.*

*Gassend. Phys. Epic. p. 165—200.*

*Lucret. L. ii. ver. 1047.*

*Arist. de Coelo, L. i. t. 33.*

*Cartesius indefinitum dixit.*

— *Princ. ii. § 21. P. i. Epist. 67, 69.*

*Eum ideo reprehensum*

*Vid. apud Huet. Censur. c. 5. § 5.*

*Philos. Burgund. Tom. II. p. 761.*

NEG.

*Sherlock's Vindic. of the Trin. p. 80.*

*Watts's Philos. Essays, vi. p. 169.*

*Cudworth's Intell. Syft. p. 776. cum Notis  
Mosheimi, p. 775, 782.*

*Colli-*

*Colliber's Impart. Inquir.* P. ii. c. 1.

*Ode Princ. Philos. Nat.* P. I. p. 48.

*Gul. Muys Elem. Phys.* S. 2. p. 117.

*Waterland's first Def. of his Queries*, p. 294.

*Poirett. Cog. Rat.* L. iii. c. 24.

*Gretton's Review*, c. 6, 7.

*Law's Notes on King, Rem.* b. p. 82. 2d Ed.

— Enq. into the Ideas of Space, c. 3.

*Schuler contra Cartes.* Qu. 25.

#### 48. UTR. *Spatium fit quiddam reale?*

##### AFF.

Philosophi in varias distrahuntur opiniones de natura spatii. Sunt, qui volunt esse *modum* & quasi *sensorium* Divini entis.

*Newtoni Princ. Math. Schol. Gen. ad finem.*

— *Opt. Qu. 20.* p. 315.

*Clarke's Papers against Leibnitz*, p. 1, 11, 41, 55, 77, 101, 123, 181, 299, & *passim*.

— *Dem. of the Being and Attr. Prop. 2.*

— *Letters in Defence of it.*

*Raphson de Spatio reali*, c. 5.

*Jackson on the Unity and Existence.*

Three Defences of Dr. *Clarke*.

*Rudiger. Phys. Div.* L. i. c. 8. S. 4. p. 346.

*Mori Enchir. Metaph.* c. 8.

*Colliber's Impart. Enquiry*, p. 215.

Alii volunt idem esse, quod corpus.

*Cartes. Princ. P. ii. § 4.*

*Le Grand Princ. Philos. P. iv. c. 12.*

*Green's Princ. of Philos.* B. i. c. 4. § 8, 18.

*Jackson's Dissert. on Matter and Spirit.*

Vid.

Vid. supra, Cap. i. Qu. 13.

— Vult *Gassendus* spatium esse medium quod-dam inter substantiam & accidentem.

— Phys. S. 2. L. ii. c. 2. Op. T. I. p. 182.

*Lockius* sibi ignotum esse profitetur ad quam terum classem spatium referendum sit.

— *Essay*, B. ii. c. 13. § 17.

NEG.

Alii denique omnem realem existentiam ab eo admunt, & ad ideas abstractas referunt.

*Law's Notes to King's Orig. of Evil*, n. 3, 9.

— *Enq. into the Ideas of Space*, c. 1.

*Dr. Clarke's Notions of Space* examin'd.

*Mr. Clarke's farther Examination, &c.*

*Watts's Philos. Essays*, i.

*Vriesius de Extens. Infin.* § 42.

*Ode Princ. Phil. Nat.* P. I. p. 22.

49. UTR. *Tempus* fit quiddam reale?

AFF.

*Clarke's Papers against Leibnitz*, p. 305.

*Jackson on the Exist. and Unity*, p. 95.

NEG.

Ad idearum abstractarum classem refertur.

*Law's Notes on King*, p. 67.

— *Ideas of Space and Time*, c. 2, 4.

*Le Grand Instit. Phil.* P. iv. c. 24.

*Philos. Burgund.* Tom. I. p. 519.

*Institutions de Physique*. 1741. C. vi.

Tempus esse modum existentiae entium finitorum statuit. *Lockius*.

— *Essay*, B. ii. c. 17. § 1.

50. UTR. *Locus fit relativus ad corporum situm?*

AFF.

*Smiglec.* Log. Disp. 9. Qu. 9.

*Philos. Burgund.* Tom. I. p. 523.

*Le Grand Institut. Philos.* P. iv. c. 12.

*Locke's Essay*, B. ii. c. 13. § 7.

NEG.

*Qui realem existentiam spatio attribuunt, vid. supra, Qu. 48.*

51. UTR. *Motus fit merè relativus?*

AFF.

*Le Grand Institut. Phil.* P. iv. c. 14.

*Law on Space and Time*, p. 66, 69.

*Leibnitz's Reply to Clarke*, p. 99, 205.

*Smiglec.* Log. Disp. 9. Qu. 7.

*Chauvini Lex. Rat. ad voc. MOTUS LOCALIS.*

NEG.

*Clarke's Papers against Leibnitz*, p. 79, 133.

*Jackson on the Existence and Unity*, p. 88.

*Coward's Grand Essay*, p. 4.

52. UTR. *Motus aeternus esse possit?*

AFF.

*Aristot. Phys. Auscult.* L. viii. c. 5.

NEG.

*Cudworthi Intell. Syst.* p. 1131. Ed. Moß.

Vid. supra, Cap. 2. Qu. 2. & Cap. 10. Qu. 39.

53. UTR. *Hominibus competit liberum arbitrium?*

AFF.

Omnis melioris notae Philosophi; attamen de natura hujusce libertatis in diversas distra-huntur opiniones.

I. Sunt, qui libertatem agendi asserunt, sed eligendi aut respuendi negant.

*Locke's Essay*, B. ii. c. 21.

— *Epist. ad Limborch.* p. 474.

*Lockium ad examen revocant*

*Law's Notes on King*, n. 45. p. 246.

*Strut's Rem. on Lock's Ch. of Power.*

II. Alii libertatem homini attribuunt, quatenus omni vi vel necessitati physicae opponitur.

*Clarke's Dem. of the Being and Attr.* p. 109.

— *Answ. to Collins's Philos. Enq.* p. 24.

*Jackson's Defence of Hum. Lib.* p. 99.

III. Vult *Leibnitzius* homines ideo gaudere libertate, quoniam sine *ratione sufficiente* determinare non possunt.

— *Theodic. § 45.*

*Conf. Papers betwixt Leib. and Clarke, passim.*

IV. *Quidam libertatem ponunt in indifferen-tia quadam ad omnia objecta.*

*King de Orig. Mali*, c. v. S. 1.

*Law's Notes*, *ibid.*

*Essay on Consciousness*, p. 209.

*Essay on Freedom of Will in God and in Creatures.*

Hanc hypothesin de ratione libertatis ad examen revocat

J. Chr. Wolfius, in *Manichæism.* ante *Manichæos.*

Eidem oppugnat *Bælius.*

— Rep. aux quest. d'un Provinc. T. II. c. 19,

Leibnitz. ad calcem libri, *Essais de Theodicee.*

V. Plerique in eo libertatem ponunt scil. nos, quod bonum apparet, eligere posse; quod malum, respuere; & in quibusdam circumstantiis determinationem suspendere; adeo ut voluntas semper sequatur ultimum intellectus judicium.

Aristot. Eth. ad Nic. L. i. c. 1, 4. Pol. L. i. c. 1.

Episcopii Tract. de Libero Arbitrio.

Limborch Theol. Christiana, L. ii. c. 23. § 30.

Bramhall contra Hobbes, p. 678.

Malebranche's Search, &c. L. i. c. 1.

Philos. Burgund. Tom. II. p. 271.

Norris's Ideal World, P. ii. c. 2. §. 3.

Pufendorf de Jure Nat. & Gent. L. i. c. 4.

De Offic. Hom. & Civ. L. i. c. 1. § 9.

[Varias de libero arbitrio opiniones

Vid, in Baronii Metaphys. S. xii. Disp. I.]

### NEG.

Nec desunt, qui omnes mortalium actiones fato & necessitatis legibus subjiciunt; scil. Democritus, & Epicurus inter veteres, de quibus vid. Diog. Laert. Cic. de Fin. L. i. vel Stanleii Vit. Philos.

Et inter recentiores,

Hobbesius in *Leviath.* *passim.*

— Debate with Bramhall, p. 289.

Spinoza Eth. P. ii. Prop. 13, 32, 48.

Collins in Philos. Enqu. concerning Liberty: & Dissertation on Liberty and Necessity.

S—t's Philos. Enquiry into Phys. Spring of Human Actions.

Omnes de fato Hypotheses præclare refellit

Cudworth. in Syst. Intellect.

Hobbesius refutatur à Bramhall, Tom. III.

Et tam Hobbesius quam Spinoza.

Clarke's Demonstr. of the Being, &c. p. 96.

Et Collins ab eodem ex professo,

— App. to Lett. bet. Clarke and Leibnitz.

Et à Gretton's Rem. on A. C's Pamph. on Liber.

Jackson's Vind. of Hum. Lib. in Ans. to A. C.

54. UTR. *Voluntarium in homine sit semper liberum?*

NEG.

Eustach. Eth. p. 39.

Waterland's first Defence, p. 127.

Clarke's Scripture Doct. p. 248.

55. UTR. *Præscientia divina tollat libertatem agendi?*

AFF.

Collins's Essay on Reason, p. 45.

Cato's Letters, Vol. IV. p. 178.

NEG.

Le Grand Instit. Philos. P. x. c. 20.

Clarke on the Attrib. p. 111.

Jackson's

*Jackson's Def. of Hum. Liberty*, in Ans. to  
*Cato's Letters*, ii. p. 54, 62.

*Law's Notes on King*, n. 77. p. 442.

*King's Sermon on Predestination*.

*Wollaston's Relig. of Nat.*

*Howe on Prescience*.

*Baronii Metaphys. Sect. xii. Disp. 2.*

56. UTR. *Origo mali solvi possit salvis Dei attributis?*

AFF.

*King de Orig. Mali.*

*Law's Translation with Notes*, 4to & 8vo.

*Wolfi Manichæismus ante Manichæos.*

*J. Clarke's Enq. into the Cause and Origin of Evil.*

*Gurdon's Boyle's Lectures*, Serm. v.

*Bulfingeri Comment. Theol. de Orig. Mali.*

*Mer. Casaubon on the Cause of temporal Evils.*

*S. Clarke's Demonstr. of the Being, &c. p. 116.*

*Buddeus de Orig. Mali.*

*Stillingfleet's Orig. Sacrae*, B. iii. c. 3.

NEG.

*Bayle Histor. & Crit. Dictionary ad voce in  
MANICHEANS, MARCIONITES, ORI-  
GEN, PAULICIANS, &c.*

— Rep. aux quest. d'un Prov. T. II. c. 3, 4, 5.

*Scripta ad controversias Bælianæ spectantia  
recenset*

*Fabricius, de Verit. Rel. Christ. c. 15. p. 383.  
Historiam*

Historiam *Manichæismi* nuper fusa tradidit.  
M. de Beausorbe, in *Histoire Critique de Manichæe & du Manichæisme*.

57. UTR. *Æternitas pœnarum contradicat divinis attributis?*

AFF.

*Episcop.* Respons. ad Quæst. p. 67.

*Burnet de Statu Mortuorum*, c. II.

*Rust's Lux Orientalis*, p. 73.

*Colliber's Imp. Enquiry*, p. 105.

— *Essay on Reveal'd Religion*. p. 142.

*Phænix*, Vol. I. p. 1. Vol. II. p. 427.

*Revelat. of the everlasting Gospel Mess.* 1697.

*T---l's Christ. as old as the Creation*, c. 4.

Idem innuere videtur *Tillotson*, Vol. III. S. iii.

NEG.

*Lupton's Sermon on Hell Torments*.

*Jenkins's Reasonabl. of Christ*. Vol. II. c. 14.

*Sherlock on Providence*, c. 2.

*Rymer's Reveal'd Relig.* c. 7.

*Whitby's Append to 2d of the Thessalon.*

*Nicholls's Conf.* P. iii. p. 309.

*Scott's Christian Life*, Vol. V. p. 91.

— *Discourses*, p. 435.

*Bates on the Exist. of God*, c. 12.

*Dawes's Serm.* S. v. p. 73.

*Moss's Serm.* Vol. I. Serm. xiv, xv.

*Lake's Serm. on Hell Torments*.

*Beveridge's Sermons*, Vol. II. Serm. viii.

*Patrick's Witnesses of Christianity*, P. ii.

*King de Orig. Mali*, Append. S. 2.

*Dodwell's*

*Dodwell's Script. Account of eternal Rewards and Punishments.*

*Swinden on the Nature of Hell.*

*Stackhouse's Body of Div. p. 829—835.*

58. UTR. *Status futurus pateat lumine naturæ?*

AFF.

*Burnet de Statu Mortuorum, c. 2, 3.*

*Sherlock on a future State.*

*Gastrell's Moral Proof of a future State.*

*Ode Theol. Nat. p. 192, 194.*

*Wollaston's Relig. of Nat. S. 9. Prop. 8.*

*Enquiry into the Nature of the Soul, S. 3.*

*Clarke's Evid. of Nat. and Rev. Rel. Prop. 4.*  
p. 128.

*Scott's Christ. Life, P. II. V. i. c. 5. § 2.*

*Cicer. Tusc. Disp. L. i.*

*Vid. supra, Qu. 22.*

NEG.

*Hallet's Discourses, Vol. I. p. 210.*

AMBIG.

*Johnson's Sermon on the Insufficiency of the Law of Nature, p. 24.*

59. UTR. *Recte statuat MALEBRANCHIUS nos omnia in Deo videre?*

AFF.

*Malebranche's Search after Truth, P. iii. c. 6.*  
p. 121. & *passim.*

*Norris's Ideal World, P. i.*

— *Letters concerning the Love of God.*  
Nec

Nec multum huic dissimilis videtur hypothesis, quam tuetur *Berkleius*.

- New Theory of Vision.
- Princ. of Hum. Knowledge, p. 59.
- Minute Philos. Vol. I. Dial. vi.

NEG.

*Locke's Letters in Oper. Posthum.*

*Ant. Arnauld contra Malebranche.*

Acta Erud. A. D. 1686. p. 183.

Vid. plures citat. in *Fabricius de Verit. Rel.*

Chr. c. 16. p. 405.

Vid. supra, Cap. 2. Qu. 1.

60. UTR. *Conscientia constituat personalem identitatem?*

AFF.

*Locke's Essay*, B. ii. c. 27.

— Third Lett. to the Bp. of Worcester, p. 165.

NEG.

*Lee against Locke*, p. 124.

*Lupton's and Felton's Serm. on the Resurrect.*

*Clarke's Letters to Collins*, p. 230.

Vid. *Butler's Analogy*, Diff. i. ad calcem.

61. UTR. *Recte concordet ratio cum fide?*

AFF.

*Locke's Essay*, B. iv. c. 18.

*Clerici Log. P. ii. c. 9, 10.*

*Poiret. Fides & Ratio coll. adv. princ. J. Lockii.*

*Whiston's Reason and Philos. no Enemies to Faith*, in Sermons and Essays.

F f

Barton

Barton de Concordia Scientiæ cum Fide.

Leibnitz Essais du Theodicee.

Huetii Alnetanæ Quæst. L. iii.

Fiddes's Theolog. Specul. B. iv. c. 1. S. 8.

NEG.

Meyer. Philosophia scripturæ interpres.

Blount's Oracles of Reason.

Toland's Christianity not mysterious.

Tolandum refutarunt

Brown's Answ. to Christianity not mysterious.

Norris of Reason and Faith.

Beconshall's Christian Belief.

Langerhausen Mysteria Christianismi.

Vid. Fabric. p. 480.

62. UTR. *Ullum aliud sit principium individuationis, quam ipsa existentia?*

AFF.

A Scholasticis vulgo recensentur genus & differentia, tanquam principium individuationis.

Vid. Baronii Metaphys. Sect. xv.

NEG.

Philof. Burgund. Tom. I. p. 480.

Locke's Essay, B. ii. c. 27. § 3.

63. UTR. *Non-existentia præferenda fit miseriæ?*

Quæstionem hanc copiosè discutit

Barlow's Remains, p. 470.



## CAPUT XI.

### QUÆSTIONES ETHICÆ.

#### I. *De SCIENTIA MORALI in genere.*

1. **U**TRUM *Ethica sit scientia propriè dicta?*

AFF.

*Philos. Burgund.* Tom. I. p. 223.

*Eustach. Eth.* p. 3.

2. **U**TR. *Dentur innata principia practica?*

AFF.

*Sanderson de Conscient.* Præl. i. p. 16.

*Sharrock de fin.* p. 31.

*Lowde against Hobbes,* c. 3.

NEG.

*Locke's Essay,* B. i. c. 3.

*Pufendorf's Law of Nature,* B. ii. c. 3. § 13.

*Vid. Cap. 10. Qu. 1.*

3. **U**TR. *Detur innatus sensus moralis?*

AFF.

*Shaftesbury's Enquiry concerning Virtue,* in  
*Charact. Vol. II.*

*Balguy's first Letter to a Deist,* p. 6.

Conybeare's Def. of Reveal'd Religion, p. 65.  
 Sed hanc partem quæstionis præcipue ornavit  
*Hutcheson*. in Enquiry into the Ideas of Beau-  
 ty and Virtue, P. ii.

— Illustration on the moral Sense, ad cal-  
 cem libri de Passionibus.

Idem *Conscientiæ* nomine quibusdam auctori-  
 bus venire solet.

Butler's Three Sermons on Conscience ; and  
 Preface to the 2d Edition of his Sermons.

— Analogy, Diff. ii. ad calcem.

Remarks on Mr. *Locke's* Essay ; cui respon-  
 sum eruditum reddidit anonymus, in *De-  
 fence of Mr. Locke's Essay*, p. 65.

### NEG.

*Locke's* Essay, B. i. c. 3.

*Velthuysen* de Princ. justi & decori, p. 73.

The Minute Philosopher, V. I. Dial. 3.

*Clarke's* (of Hull) Foundation of Morality.

Sunt qui moralem sensum ab habitu & idea-  
 rum associatione plane deducunt.

Prelim. Dissert. to *Law's* English Version of  
 King de Orig. Mali.

*Johnson's* Essay on Moral Obligation, c. 5.

4. UTR. *Generalia scientiae moralis præcepta*  
*fint intuitivè cognita?*

### AFF.

*Clarke's* Evid. of Nat. and Rev. Relig. p. 63,  
 cæterique qui innata principia practica, aut sen-  
 sum moralem tuentur, vel moralem obligationem  
 ab

ab abstractis rerum relationibus ducunt. Vid.  
Qu. 2, 3, 8.

NEG.

*Locke's Essay*, B. i. c. 3. § 4, &c.

*Johnson's Essay on Moral Obligat.* c. 4. p. 26,

5. UTR. *Moralis scientia fit capax demonstrationis?*

AFF.

*Locke's Essay*, B. iv. c. 11. § 16, &c.

*Pufendorf's Law of Nature*, B. i. c. 2. S. 4.

*Barbeyrac's Pref. Disc. to Pufendorf*, S. 2.

6. UTR. *Privata felicitas ultimus actionum moralium finis esse debat?*

AFF.

*Turner on the Laws of Nat.* § 6.

*Cumberland de Legibus Nat.* c. 5. § 2. p. 241.

*Pufendorf's Law of Nat.* B. i. c. 6. § 5. B. ii.

c. 3. § 14, 15.

*Johnson's Essay on Moral Obligation*, c. 1. & c. 5. p. 58.

*Mori Enchirid. Eth.* L. iii. c. 2.

*Sherlock on Judgment*, p. 20—25.

*Conybeare on Rev. Relig.* p. 59.

*Law's Prelim. Dissert. to King*, p. 25.

*Ibid. note 53.* p. 307.

*Summary of Nat. Relig. Sect. iii.*

NEG.

*Virtutem esse per se optabilem, & ultimum actionum finem docuerunt veteres Stoici.*

Vid.

Vid. *Diog. Laert.* *Cic.* de finibus. Vel *Stanley de vitis Philos.*

Eandem opinionem amplectuntur quidam recentiores.

*Sharrock* de fin. p. 148.

*Clarke's* Ev. of Nat. and Rev. Rel. Prop. 1.

Dissertat. on the Law of Nat. in *Maxwell's Cumberland*, c. 1.

*Chubb*, vid. his Vol. of Tracts, *passim*.

*Balguy's* Two Letters to a Deist, aliique Tract. *passim*.

7. UTR. *Sanctio pœnalis* fit Legi *essentialis*?

AFF.

*Selden* de Jure Nat. & Gent. L. i. c. 4.

*Pufendorf* de Offic. H. & Civ. L. i. c. 2. § 7.

*Parker's* Demonstr. of the Law of Nat. p. 60.

*Cumberland* de Leg. Nat. Proleg. § 6.

*Johnson's* Essay on Moral Oblig. p. 59.

NEG.

*Chubb's* Reflections, p. 44.

*Maxwell's* Dissertat. p. 55. aliique supra citati.

8. UTR. *Sublato statu futuro* maneat ad virutem obligatio?

AFF.

*Hoadley's* two Letters to *Atterbury*.

— Tracts, p. 101.

*Shaftsbury's* Characteristicks, V. II. p. 57, 69.

*Butler's* Pref. to a 2d Edit. of his Serm. p. 17.

aliique qui stant ex parte negativa Quæst. præc.

NEG.

## NEG.

*Atterbury's Def. of Serm. at Mr. Bennet's Fun.*  
*Gastrell's Moral Proof of a future State, p. 40.*  
 —— *Boyle's Lect. p. 93.*  
*Wilkins's Nat. Rel. p. 67.*  
*Tillotson, Vol. II. Serm. xxiv p. 157.*  
*Locke's Essay, B. ii. c. 21. § 54.*  
*Pearson on the Creed, p. 304.*  
*Scott's Christian Life, P. iii. c. 5.*  
*Sherlock on Judgment, p. 116.*

9. UTR. *Voluntas Dei fit sola adæquata moralium actionum norma?* Sive,

UTR. *Formalis ratio virtutis consistat in conformitate ad voluntatem Dei?*

## AFF.

*Locke's Essay, B. i. c. 3. § 18. B. ii. c. 28. § 5-8.*  
*Stillingfleet's Irenic. c. 1. § 4.*  
*Cumberland de Leg. Nat. c. 5. § 27.*  
*Tyrrell's Law of Nat. P. i. c. 3. § 7, 8, 9, 13, 30.*  
*Parker's Dem. of the Law of Nat. P. i. § 31.*  
*Cartesii Meditat. Obj. & Resp. 5tæ.*  
*Sanderson de Conscient. Præl. iv. § 20—23.*  
*Dawson's Origo Legum, c. 2.*  
*Sharpe's Serm. Vol. II. p. 299. Vol. IV. p. 198.*  
*Pufendorf's Law of Nat. B. i. c. 2. § 6.*  
*Barbeyrac in loc.*  
*Gastrell's Boyle's Lect.*  
*Divine Benevolence.*  
*Taylor's Duct. Dubit. B. ii. c. 1. p. 232, 263.*  
*Clarke's (of Hull) Foundation of Morality.*  
*Law's*

*Law's Notes to King*, p. 87, 304. & Prelim.  
Dissert. S. 2.

*W. Law's Case of Reason*, p. 47.

*Felton's Pref. to Moyer's Lecture*, p. 18, 34, 51.

*Johnson's Essay on Moral Obligat.* c. i.

*Summary of Nat. Religion*, Sect. iii.

### NEG.

Alii volunt formalem rationem virtutis in conformitate cum abstractis rerum relationibus confistere.

*Clarke's Ev. of Nat. and Rev. Rel.* Prop. i.

*Balguy's Foundation of Moral Goodness*, alii-  
que ejus *Tractatus, passim*.

*Grotius de Jure B. & P. L. i. c. i. § 10.*

*Fiddes on Morality.*

— *Pref. to 2d Vol. of his Body of Divinity.*

*Chubb's Prev. Question, and Supplement.*

*Norris's Miscell.* p. 142, 153, 370.

Sunt, qui in veritate ponunt, non tam in re quam in voce *Clarkianis* dissimiles.

*Rust upon Truth.*

*Wollaston's Religion of Nature*, S. i.

10. UTR. *Moralis actionum natura, ordine naturæ, voluntati divinæ antecedat?*

### AFF.

*Cudworth's eternal and immut. Morality*, c. 3.

*Clarke's Ev. of Nat. and Rev. Rel.* Pr. I. p. 86.

*Grotius de Jure B. & P. Prol.* § 11.

### NEG.

NEG.

*Smigley*. Disp. iv. Qu. 1. p. 133.

*Pufendorf's Law of Nature*, B. i. c. 2. § 6.

*Law's Notes on King*, n. 53. p. 302.

*Johnson's Essay on Moral Obligat.* c. 1.

*W. Law's Case of Reason*, p. 49.

Conf. *Auctores supra citat.*

In quo sensu intelligi debet relationes rerum  
antecedere Dei voluntati,

vid. apud *Conybeare's Def. of Rev. Relig.* p. 56.

11. UTR. *Moralis actionum natura a magi-  
stratu unicè derivetur?*

AFF.

*Hobbes Leviath. passim. De Cive*, c. 12. § 1.

NEG.

*Cudworth. Int. Syst.* p. 92. Ed. *Mosb.* p. 92.

— *Eternal and Immut. Morality*, c. 1, 3.

*Hooker's Eccles. Polit.* B. i. S. 10.

*Taylor's Doctor Dubit.* B. iii.

*Sharrock de fin.* p. 157.

*Whitby Eth.* c. 6.

*Cumberland de Leg. Nat.* c. 5. § 5.

*Tyrrell's Law of Nat.* P. ii. Princ. 10.

*Clarke's Ev. of Nat. and Rev. Religion*, p. 96.

12. UTR. *Virtutis & vitii Leges fint æternæ  
& immutabiles?*

AFF.

*Le Grand Institut. Phil.* P. 10. c. 8.

G g

Cud-

226    Q U A E S T I O N E S   D E

*Cudworth* on Etern. and Immut. Moral. c. 1.  
cæterique ad quæst. præc. citati.

In quo sensu intelligi debet hæc quæstio,  
vid. *Norris's* Miscell. p. 370.

*Conybeare's* Def. of Rev. Religion, p. 147.

*Locke's* Essay, B. iv. c. 11. § 14.

*Johnson's* Essay on Moral Obligation, c. 3.

*W. Law's* Case of Reason, p. 51.

*Law's* Notes on *King's* Orig. of Evil, n. 57.

*Locke's* Essay, B. iv. c. 11. § 14.

N E G.

*Hobbes* Leviathan, c. 10. De Cive, c. 1.

13. UTR. *Natura virtutis in mediocritate ponatur?*

A F F.

*Arist.* Eth. L. ii. c. 6.

*Eustach.* Eth. p. 71.

*Philos. Burgund.* Tom. I. p. 332.

*Crellii* Eth. Aristotel. P. ii. c. 5.

*Mori* Enchirid. Eth. L. ii. c. 9.

N E G.

*Grotius* de Jure B. & P. Proleg. § 43.

*Barbeyrac's* Pref. to *Pufendorf*, p. 61.

*Wollaston's* Relig. of Nat. p. 24.

*Le Grand Institut. Philos.* P. x. c. 7.

14. UTR. *Virtutum distributio in quatuor Cardinales, viz. Prudentiam, Temperantiam, Fortitudinem & Justitiam, sit justa & maxime propria?*

A F F.

AFF.

*Cic.* de Offic. L. i.

*Philos. Burgund.* Tom. I. p. 337.

*Le Grand Institut. Philos.* P. x. c. 9.

NEG.

*Peripatetici* alias divisiones instituunt.

*Aristot.* Eth.

*Crellii Eth. Aristotel.* P. ii. c. 10.

*Mori Enchir.* Eth. L. ii.

15. UTR. *Bona Intentio ad Bonitatem actus sufficiat?*

NEG.

*Sanderson* Præl. de Conscient. ii. p. 27.

*Pufendorf.* de Off. Hom. & Civ. L. i. c. 2. § 11.

16. UTR. *Veritas quæ veritas sit prosequenda?*

Sive,

UTR. *Alium verbis decipere sit simpliciter illicitum?*

AFF.

*Wollaston's Relig. of Nat.* S. i. Prop. 4.

*Whitby Eth.* L. ii. c. 5. § 12.

NEG.

*Grotius de Jure B. & P.* L. iii. c. 1. § 12.

*Pufendorf's Law of Nat.* B. iv. c. 1. § 7, 16.

*Barbeyrac* in loc.

*Moss's Serm.* Vol. II. Serm. x.

*Pufendorf.* de Offic. Hom. & Civ. L. i. c. 10.

§ 5. cum Not. *Johnson*, Ed. 2.

Buddei Philos. Pract. c. 4. § 6.

17. UTR. *Juramentum à latrone vi & metu extortum obliget?*

AFF.

Sanderson de Juram. Oblig. Præl. iv. § 15, 17.

Grotius de Jure B. &amp; P. L. ii. c. 13. § 14.

NEG.

Cic. de Offic. L. iii. c. 29.

Senec. 1. Controv. 6.

Pufendorf's Law of Nat. B. iv. c. 2. § 8.

— De Offic. H. &amp; C. L. i. c. 11. § 6.

18. UTR. *Conscientia erronea obliget?*

AFF.

Taylor's Ductor Dubit. B. i. c. 3. p. 102.

Whitby Eth. Compend. p. 27.

Ostervaldi Eth. p. 47.

Sanderson de Conscient. Præl. i.

Sharpe's Serm. Vol. II.

Pufendorf. de Off. H. &amp; C. L. i. c. 1. § 7.

19. UTR. *Conscientia invincibiliter erronea sit inculpabilis?*

AFF.

Auctores supra citati.

20. UTR. *Leges humanae conscientiam obligent?*

AFF.

Taylor's Ductor Dub. B. iii. c. 1.

Sanderson de Consc. Præl. v. § 6.

21. UTR. *Conscientia fit lumen mentis innatum?*

AFF.

*Sanderson de Conscient. Præl. iv. § 24*

*Vid. supra, Qu. 2, 3.*

22. UTR. *Voluntas Dei fit sola adæquata conscientiæ regula?*

*Vid. supra, Qu. 8.*

23. UTR. *Hæc regula, Quod dubitas ne fereris, fit in rebus moralibus admittenda?*

AFF.

*Pufendorf de Offic. H. & C. L. i. c. 1. § 6.*

*Sanderson de Obligatione Conf. Præl. vi. § 17.*

*Taylor's Ductor Dub. B. i. c. 5.*

*De milite dubitante, Vid. infra, Qu. 45.*

24. UTR. *Suicidium fit licitum?*

AFF.

*Perſian Letters.*

*Philosophical Letters concerning Death.*

*Life of C. Blount.*

NEG.

*Adams on Self-Murder.*

*Fleetwood's Sermons on the Subject.*

*Sherlock on Death. on Provid. c. 7. p. 249, 252.*

*Law's Notes on King, p. 456. n. z.*

*Summary of Nat. Relig. Sect. x. Pr. 1.*

*Pufendorf de Offic. H. & C. L. i. c. 5. § 4.*

G.

230. **Q**UÆSTIONES DE

*G. Grotius de Princ. Jur. Nat. C. 7. § 2, 4.*

25. **U**TR. *Culpā non communicatā, communicari possit pæna?*

**N**EG.

*Grotius de Jure B. & P. L. ii. c. 21. § 9.*

*Pufendorf's Law of Nat. B. i. c. 9. § 2, 10.*

*B. viii. c. 3. § 31. c. 4. § 32.*

*Taylor's Ductor Dubit. B. iii. c. 2. R. 7.*

26. **U**TR. *Volenti fieri possit injuria?*

**N**EG.

*Philos. Burgund. Tom. I. p. 356.*

*Crellii Eth. Aristotel. P. ii. c. 18. p. 143.*

27. **U**TR. *Passiones fint innatæ?*

**A**FF.

*Whitby Eth. c. 8.*

*Malebranche's Search after Truth, B. v. c. 1.*

*Ode Theol. Nat. p. 171.*

*Le Grand Institut. Philos. P. x. c. 13.*

**N**EG.

*Locke's Essay, B. ii. c. 20.*

Sunt, qui earum originem ab usu & idearum  
affectione derivant.

*Law's Prelim. Dissert. to King.*

*Johnson's Essay on Moral Obligation, c. 5.*

*Hutcheson on the Passions.*

*Watts on the Passions.*

28. UTR. *Passiones sint vitiosæ?*

NEG.

*Eustach.* Eth. p. 55.

*Le Grand Institut.* Phil. P. x. c. 13.

*Philos. Burgund.* Tom. I. p. 431.

*Ostervaldi Eth. Christiana,* p. 33.

*Whitby Eth.* p. 85.

*Mori Eth. Ench.* L. i. c. 6.

*Wollafton's Relig. of Nat.* p. 174.

*Watts on the Passions,* § 13.

*J. Clarke on Natural Evil,* p. 256.

*Scott's Christian Life,* P. ii. c. 1. S. 2. par. 23.

*King's Orig. of Evil,* N. M.

*Chambers's Diction.* ad voc. PASSION.

29. UTR. *Amor & aversio sint generales affectus, ex quibus cæteri omnes nascuntur?*

AFF.

*Philos. Burgund.* T. I. p. 423.

*Law's Prelim. Dissert. to King,* p. 63.

*Locke's Essay,* B. ii. c. 20.

30. UTR. *Ex appetitu sensitivo major sit voluptas quam ex rationali?*

AFF.

*Epicurei & Hobbesiani.*

NEG.

*Sharrock de fin.* p. 20.

*Cumberland de Leg. Nat.*

*Wollafton's Religion of Nature.*

II. *De STATU NATURÆ.*31. UTR. *Existat Lex naturæ?*

AFF.

*Sharrock de fin. c. 2. p. 204.**Cumberland de Leg. Nat. c. 2, 5.**Parker's Law of Nature, P. i. § 1.**Maxwell's Dissert. in Cumberland de L. Nat.*

NEG.

*Hobbes de Hom. P. i. c. 13, 26, & passim.*32. UTR. *Detur jus gentium a jure naturæ distinctum?*

AFF.

*Grotius de Jure B. & P. Proleg. § 17, 40. & L. iii. c. 4. § 15.*

NEG.

*Hobbes de Cive, c. 6, 14.**Sed Locutiones, *Jus Naturæ* & *Jus Gentium*, nonnulli auctores commiscent, perinde ac alii *Jus Gentium* & *Jus Civile*.**Justinian. Instit. L. i. tit. 2.**Pufendorf's Law of Nat. B. ii. c. 3. § 21. & B. viii. c. 1.**— de Offic. Hom. & Civ. L. ii. c. 1.**Calvini Lexic. Jurid. ad voc. *Jus*.*33. UTR. *Status Naturæ sit status Belli?*

AFF.

## AFF.

*Hobbes Leviath.* P. i. c. 13. de Cive, *passim.*

## NEG.

*Plato de Leg.* L. i. pr.

*Cumberland de Leg.* Nat. c. 2.

*Tyrrell's Law of Nat.* P. ii. Princ. 3, 7.

*Sharrock de Fin.* p. 136.

*Locke on Government*, B. ii. c. 2, 3.

*Puffendorf's Law of Nat.* B. ii. c. 2.

— *Dissert. Academ.* p. 582.

— *Elem. Jurisprud.* p. 273.

*Lowde's Disc.* concerning Man, c. 5.

*Parker's Dem.* of the L. of Nat. P. i. § 4.

*Innes's al. Campbell's Enq.* into the Orig. of Moral Virtue.

34. UTR. *In statu naturæ unicuique jus competit in omnia?*

## AFF.

*Hobbes de Cive*, c. 1. § 10.

## NEG.

*Cumberland de Leg.* Nat. c. 2.

*Tyrrell's Law of Nat.* P. ii. Princ. 4.

*Puffend. Law of Nat.* B. ii. c. 2. § 5. B. iii. c. 5. § 3.

35. UTR. *Omnes homines sint natura æquales?*

## AFF.

*Hooker's Eccl. Pol.* B. i.

*Hoadly's Exam.* of the Patr. Scheme.

Hh

*Locke*

*Locke* on Govern. B. ii. c. 2.

*Pufendorf's* Law of Nat. B. iii. c. 2. § 2.

— de Off. Hom. & Civ. L. i. c. 7.

*Wollaston's* Rel. of Nat. S. 6.

Summary of Nat. Rel. Sect. iv. Pr. 3.

NEG.

*Filmer's Patriarcha.*

*Ramsey's* Essay on Civ. Govern.

*B—d's* Hereditary Right.

36. UTR. *Jus Dei in creaturas fundetur in ejus irresistibili potentia?*

AFF.

*Hobbes Leviath.* c. 31.

NEG.

*Pufendorf's* Law of Nature, B. i. c. 6. § 10.

— de Off. H. & C. Ed. 2. *Johnson.* L. i. c. 2. § 5. n. 10.

*Cumberland* de Leg. Nat. c. 7, 9.

III. *De STATU CIVILI.*

37. UTR. *Status civilis, vel Imperium civile, oriatur ex pactis?*

AFF.

*Locke* on Civil Government, *per tot.*

*Sidney* on Goverment.

*Hoadly's* Or. & Inst. of Civil Government.

*Hooker's* Eccl. Pol. B. i. § 10.

*Sharrock* de Fin. p. 274.

Cum-

*Cumberland* de L. Nat. Proleg. § 26.

*Temple's Miscell.* Vol. I. p. 45.

*Univ. Hist.* Vol. I. p. 171.

*Pufendorf's L. of Nat.* B. iii. c. 2. & B. vii. c. 1. § 7.

*Grotius de Jure B. & P.* Proleg. § 15. L. i. c. 3. § 8.

*Wollaston's Relig. of Nature*, S. 6.

*Summary of Nat. Relig.* Sect. vii. Pr. 4.

*Warburton's Alliance*, P. i. S. 2.

NEG.

Sunt, qui a Deo per Patriarchas originem ducunt.

*Filmer's Patriarcha.*

*Levly on the Origin of Civil Government.*

38. UTR. *Supremo magistratui resistere liceat, si aliter Respub. servari nequit?*

AFF.

*Grotius de Jure B. & P.* L. i. c. 4. § 7. & L. ii.

c. 4. § 14.

*Pufendorf's Law of Nat.* B. ii. c. 8.

*Sidney on Government*, c. 3. § 36.

*Locke on Government*, B. ii. c. 18.

*Miltoni Defensio Pop. Angl.*

*Hoadly's Orig. and Instit. of Civil Govern.*

*Tyrrell's Biblioth. Politic.*

*Sharrock de Fin.* p. 287.

*Johns. N. ad Puf. de Off. H. & C. L. ii. c. 9. n. 5.*

NEG.

*Hobbes Leviath.* c. 20. *De Cive*, c. 7. § 14.

*Filmer's Patriarcha*, c. 2. p. 72.

Freeholder's Grand Inquest.

B—d's Hereditary Right.

Taylor's Doctor Dubit. B. iii. c. 3.

Argumenta ex utraque parte, vid. in Sacheverell's Tryal,

39. UTR. *In imperio civili fides data summum magistratum obliget?*

AFF.

Sharrock de Fin. p. 277.

Grot. de Jure B. & P. L. i, c. 3. § 16.

NEG.

Hobbes Leviath. c. 18.

40. UTR. *Salus Populi sit suprema lex?*

AFF.

Sanderson de Consc. Præl. ix.

Buddei Philos. Pract. P. iii, c. 3.

Unà cum auctoribus in Qu. 37. affirmantibus.

NEG.

Machiavel de Rep.

Hobbes Leviath.

41. UTR. *Liceat principi subditos alienos contra gravem & manifestam imperantis injuriam bello defendere?*

AFF.

Grotius de Jure B. & P. L. ii. c. 25. § 8. L. iii.

c. 1, § 21.

King's State of the Protest, in Ireland, c. 1.

Vid. Qu. 38.

42. UTR.

42. UTR. *Bellum aliquod justum sit jure naturae?*

AFF.

*Grotius de Jure B. & P. L. i. c. 2.*

*Pufendorf's Law of Nat. B. viii. c. 6.*

*Buddei Philos. Pract. P. ii. c. 5. § 2.*

43. UTR. *Militibus dubitantibus, an Bellum fit justum necne, militandum fit?*

AFF.

*Sanderson de Conscient. Præl. vi. § 17.*

*Taylor's Doctor Dubit. B. i. c. 5. p. 184.*

*Sharpe's Sermons, Vol. II. p. 289.*

*Pufendorf's Law of Nat. B. viii. c. 1. § 8.*

NEG.

*Grotius de Jure B. & P. L. ii. c. 26. § 4.*

44. UTR. *Civem innocentem liceat hosti tradere, ut evitetur imminens Reip. ruina?*

AFF.

*Grotius de Jure B. & P. L. ii. c. 25.*

*Summary of Nat. Relig. Sect. vii. Pr. 7.*

*Job. N. ad Puf. de Off. H. & C. L. ii. c. 13. n. 4.*

NEG.

*Pufendorf's Law of Nat. B. viii. c. 2. § 5.*

45. UTR. *Legati in eum, ad quem mittuntur, delinquentes fint jure gentium ab eodem puniendi?*

NEG.

NEG.

*Grot. de Jure B. & P. L. ii. c. 18. § 4.*46. UTR. *Mare jure liberum fit?*

AFF.

*Grotii Mare Liberum.*

NEG.

*Seldeni Mare Clavsum.**Pufendorf's Law of Nat. B. iv. c. 5. § 5.**Vid. Johnson. Not. ad Puf. de Off. H. & C. L. i. c. 12. n. 10.*47. UTR. *In res quæ singulorum sunt propriæ jus omnibus competit extremæ necessitatis & innoxiae utilitatis?*

AFF.

*Grotius de Jure B. & P. L. ii. c. 2. § 6.**Pufendorf's Law, of Nat. B. ii. c. 6. § 5.**— de Off. H. & C. L. i. c. 5. § 23.**G. Grotius de Princ. Jur. Nat. C. 13. § 10.*

NEG.

*Willaston's Rel. of Nat. p. 28.*

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# APPENDIX

DE

## LEGIBUS DISPUTANDI,

EX

*Adriani Heereboord Praxi Logica*

EXCERPTA.

**U**T debitè instituatur disputatio, nonnulla circa ejus *materiam*, alia circa ejus *formam* sunt observanda.

**I.** Circa *materiam* disputationis sunt hæ tenendæ regulæ.

1. *Quicquid excedit captum disputantium, de eo nulla fiat disputatio.* \*

2. *Quicquid controversum non est, objectum disputationis esse non debet.*

\* Sic in scholis philosophicis non sunt tractandæ theses theologicæ; nec in quæstione philosophicâ petenda sunt argumenta ex sacris literis.

3. *Materia*

3. Materia disputationis sit utilis & gravis, & ad veritatem indagandam instituta. †

II. *Forma* disputandi consistit in collatione, διάλεξει, ideoque ad eam distinctæ requiruntur personæ, inter quas διάλεξις & collatio mutua institui queat: harum una impugnat alterius sententiam, altera sententiam suam tuetur & defendit. Prior *Opponentis*, posterior *Respondentis* nomine venit.

*Opponens* & *Respondens* partes habent quasdam *communes*, quasdam *proprias*.

Canones utriusque parti *communes* quidam ex Logica, quidam ex Ethica desumuntur; agendum enim in disputando & Ethicè & Logicè.

1. Ad disputationem ab utraque parte adferri debet animi bona intentio, quæ non gloriam, sed veritatem quærat.

2. Adferri debet animus purus & liber ab omni præjudicio.

3. Neuter alterius partes suscipiat, neque opponens in partes respondentis involet, aut contra.

4. Conveniant inter se de certis præcognitis principiis, ne de re utrimque concessa disputetur.

† Sic questio[n]es ex intimis disciplinarum (ethicæ, physicæ, vel metaphysicæ) penetralibus petitæ iis præferendæ sunt, quæ vel sunt merè logomachiæ, vel de lana caprinâ instituuntur.

5. Brevitati & perspicuitati imprimis studeatur, omisis rhetoricationum ambagibus & longis declamationibus.

6. Patienter alter alterum exspectet, dum orationem absolvat.

7. Ab omni contumelia, convitio, calumnia, ac risu sycophantico, utrimque abstineatur; & ante victoriam acceptam ne triumphetur.

8. Status controversiae firmiter utrimque ponatur, ac probe cognoscatur, nec inter disputandum mutetur.

*Speciale* utriusque etiam est officium: ac primo *Opponentis*.

1. *Opponentis* est, 1. Thefin *impugnare* objectionem movendo; 2. Ad solutionem datam *instare*, excipiendo. Ut feliciter thefin impugnet, requiritur;

1. Ut sententiæ respondentis directe contradicat; quod ut fiat, oportet ante omnia diligenter thefin respondentis considerare, & accurate despicere, quomodo ei antithesis directe opponi possit.

2. In thesibus respondentis, si plures sint, ut fere esse solent, examinandis, accurate distinguat opponens argumenta seu rationes quibus theses probantur, ab ipsis thesibus quibus probandis adhibentur; aliud enim est argumenta destruere, aliud thefin evertere. Itaque aliter

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est versandum circa thesin, aliter circa theseos probationem.

3. In examine probationis consideretur, num argumenta thesi convenient, num eidem probandæ sufficient, an vero aliena sint à thesi ac minus firma.

4. Thesin autem ipsam expendere oportet, utrum sit affirmativa an negativa, universalis an particularis, synonymica an paronymica; adeoque, secundum affectiones logicas enunciationis eam examinare oportet.

5. Tum oportet formare antithesin & directam oppositionem secundum leges contradictionis, quas præscribit Logica; & non contradicendum verbis tantum theseos, sed sensui & menti ipsius adversarii.

6. Si quis non directam antithesin faciat, facile committit peccatum illud quod vocant *ignorantiam elenchi*.

7. Thesi expensa, cogitandum est opposenti de termino *medio*, qui invenitur utrumque conclusionis membrum deducendo per loca inventionis aut affectiones logicas, vel afferendo authoritates quæ non possunt rejici.

8. *Terminus medius* cum partibus quæstionis syllogismo bono comprehendatur.

9. Sed in mediorum inventione delectus est habendus, neque enim argumenta omnia æque ponderosa sunt.

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10. De authoritate hoc etiam tenendum, non esse extra theologiam utendum multâ authoritate.
11. Argumentum, syllogistica forma brevissime & perspicue inclusum, clare proponatur; ac, si fieri possit, forma plerumque sit *categoria*.
12. Duplici genere argumentationis uti potest opposens; & directa seu offensiva, & ea quæ dicit ad absurdum.
13. Præterea, non ea tantum moveat argumenta quæ ex problematis natura peti possunt, sed etiam quæ ex adversarii hypothesi sequuntur.
14. Imprimis urgere potest respondentem *ex concessis*.
15. Ante omnia attendat diligentissime opposens, ut propositionem, vel negatam vel distinctam, eandem *assumat*, ac faciat sui syllogismi conclusionem.
16. Semper legitimos & bonos syllogismos producat, conformes legibus syllogisticis.
17. Si figura argumenti sui repudietur, requirat canonem logicum in quem peccet, aut si ipse viderit, statim corrigat.
18. Si ad materiam respondeatur, ut sit plerumque, videat an sit distinctio vocis ambiguæ, an limitatio, an negatio.
19. Si ad distinctionem aut limitationem re-

spondeatur, responsio ad leges & canones distinctionis & limitationis examinetur.

IV. Speciale officium *Respondentis* est, argumentum *assumere* opponentis & *solvere*.

1. *Respondens* non *assumat*, nisi jam dicendi finem fecerit *opponens*.
2. Iisdem verbis *repetat*, quibus *argumenta* fuerunt *proposita*.

3. Si *opponentis* argumentum fit *vitiosum*, vel *obscuritate* labore, monebit *eum respondens*; vel si *juvandus* fit *opponens*, tum licebit *evidentioribus* verbis & *alia figura* idem argumentum *proponere*.

4. Si *opponens* *prolixa* utatur *declamatione*, vel *confusa* *argumentatione*, vel *obscura* *locutione*, monebit *respondens*, ut *breviter & clare* *proponatur* argumentum in *certa figura* *modo*.

5. In *assumendo* argumento prius considerabit *ejus figuram*, postea *materiam*.

6. Si *forma* fit *vitiosa*, *rejiciatur*, *indicato* *vitio*.

7. Ubi *argumenti formam rectam esse* videbit; ac *respondere cogitat*, videat *primum*, an *conclusio recte feriat suam thesin*.

8. Si non *recte ei opponatur*, non est *necessitatem* *respondere aliud*, quam *quod ignoratio elenchi* fit.

9. Si

9. Si conclusio fit multiplex, *distinguatur*: distinctione adhibita, ostendatur in quantum contradicat suæ thesi, & adhibeatur responso.

10. A conclusione transeundem ad præmissas, & primum ad *majorem*, deinde ad *minorem*.

11. Propositiones veræ *concedendæ* sunt, falsæ *negandæ*, ambiguæ *distinguendæ*.

12. Si propositio universalis fit partim vera, partim falsa, ex ambiguitate, adhibenda est *distinctio*.

13. Si propositio universalis fit simpliciter falsa, adferenda est *instantia* ad falsitatem universalis ostendendam.

14. Major propositio neganda si fit hypothetica, debet negari *consequentia*; si disjunctiva, *disjunctio*; si categorica, simpliciter *neganda*.

15. Si distinctio adhibeatur majori, eadem est applicanda minori & conclusioni.

16. Nunquam vero responderi debet *negando* si solvi possit argumentum *distinguendo* & *limitando*.

17. Major rarius falsa est aperte, sed saepius ambigua; ideoque frequentius distinguenda ac limitanda, quam *neganda*.

18. Minor rarius venit limitanda, vel distinguenda, saepius neganda.

19. Nunquam ad *minorem* respondendum est, nisi constiterit ac certum sit *majorem* esse extra omne vitium.

20. Imo

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20. Imo minor nunquam limitanda est, nisi limitata majore.

21. Si authoritates respondenti objiciantur virorum doctissimorum, illæ non sunt arroganter ipsi rejiciendæ; sed aut conciliet eas cum sua sententia; aut, si non possit, alterius viri æque clari ac docti adducat argumentum.

22. Licebit & respondenti interdum responsione uti *indirecta*, & argumentum retorquere in opponentem, vel aliud fortius adducere.

23. Nunquam tamen est utendum *indirecta* responsione, nisi prius sit responsum *directe*.

F I N I S.

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